# Curvature Securities LLC - Held NMS Stocks and Options Order Routing Public Report Generated on Mon Mar 31 2025 02:21:40 GMT-0400 (Eastern Daylight Time)

4th Quarter, 2024

# October 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
0.00	0.00	0.00	0.00	0.00

# 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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# October 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
9.16	9.68	41.13	49.19	0.00

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)
INET Algo- CURV	2.66	50.00	41.18	14.75	0.00	11.7364	16.0773	160.0000	18.7279	-27.0000	-10.3749	0.0000	0.0000
INET SMART- CURV- CRVI	1.77	8.33	13.73	26.23	0.00	0.3000	30.0000	34.0000	19.0059	-1.0000	-1.2678	0.0000	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)
CITI POV- CURV	1.77	8.33	21.57	19.67	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITI SMART- CURV	0.96	0.00	11.76	11.48	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
OTCX- CURV	0.66	0.00	0.00	14.75	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITI VWAP- CURV	0.52	8.33	3.92	6.56	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INCA	0.52	0.00	5.88	6.56	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Algo- CURV	0.15	16.67	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INET VWAP- CURV- CRVI	0.07	8.33	0.00	0.00	0.00	-9.0276	-7.5024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INET PART- CURV- CRVI	0.07	0.00	1.96	0.00	0.00	0.0000	0.0000	123.0000	18.9872	0.0000	0.0000	0.0000	0.0000

# Material Aspects:

## INET Algo-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cotora, Expert Make, Expert Make, Expert Make, Expert Cotora, Expert Make, Expert Securities receives or pays a blended rate based on that months activity. This blended trade over the past year range from Curvature Securities Paying Expert Cotora, Expert Make, Expert Make, Expert Make, Expert WAP \$0.060 per 100 shares and Curvature Securities receiving from Expert Cotora, Expert Make, Expert Make, Expert WAP \$0.11 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature Securities receiving from Expert WAP \$0.010 per 100 shares and Curvature \$0.010 per 100

## INET SMART-CURV-CRVI:

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#### CITI POV-CURV:

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#### OTCX-CURV:

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# CITI VWAP-CURV:

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#### INCA

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VIRTU Algo-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert TWAP and Expert VWAP \$0.060 per 100 shares and Curvature Securities receiving from Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP \$0.11 per 100 shares

#### INET VWAP-CURV-CRVI:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP \$0.060 per 100 shares and Curvature Securities receiving from Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP \$0.11 per 100 shares

#### INET PART-CURV-CRVI:

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# October 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
Ī	0.00	0.00	0.00	0.00	0.00

## Venues

Venue - Non- directed Order Flow		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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# November 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
66.67	0.00	75.00	25.00	0.00

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)
INET Algo- CURV	66.67	0.00	100.00	100.00	0.00	0.0000	0.0000	4.0000	13.3333	3.0000	30.0000	0.0000	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)
INCA	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

# Material Aspects:

INET Algo-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP \$0.090 per 100 shares

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# November 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
14.10	7.39	65.91	26.70	0.00

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)
INET Algo- CURV	10.82	76.92	80.17	68.09	0.00	0.0000	24.5833	660.0000	8.2496	115.0000	8.3983	0.0000	0.0000
CITI POV- CURV	1.12	0.00	10.34	4.26	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INET SMART- CURV- CRVI	0.80	7.69	2.59	12.77	0.00	3.0000	30.0000	-76.0000	-18.3067	-63.0000	-17.7145	0.0000	0.0000
INCA	0.40	0.00	2.59	4.26	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITI SMART- CURV	0.40	0.00	1.72	6.38	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Algo- CURV	0.24	0.00	2.59	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITI VWAP- CURV	0.16	7.69	0.00	2.13	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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)
DASH SMART- CURV	0.08	0.00	0.00	2.13	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INET VWAP- CURV- CRVI	0.08	7.69	0.00	0.00	0.00	6.0000	7.4081	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

# Material Aspects:

#### INET Algo-CURV:

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#### INET SMART-CURV-CRVI:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert

#### INCA:

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#### CITI SMART-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert

## VIRTU Algo-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert

#### CITI VWAP-CURV:

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#### DASH SMART-CURV:

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## INET VWAP-CURV-CRVI:

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# November 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
0.00	0.00	0.00	0.00	0.00

#### Venues

N dire Or	nue - lon- ected rder low	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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# December 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
I	50.00	0.00	50.00	50.00	0.00

## 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)
INET Algo- CURV	25.00	0.00	50.00	50.00	0.00	0.0000	0.0000	0.0000	0.0000	-5.0000	-27.0000	0.0000	0.0000
VIRTU Algo- CURV	25.00	0.00	50.00	50.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CODA	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INCA	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

# Material Aspects:

INET Algo-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP, \$0.130 per 100 shares

VIRTU Algo-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP, \$0.130 per 100 shares

CODA:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all DKVP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying DKVP \$0.015 per 100 shares and Curvature Securities receiving from DKVP \$0.00 per 100 shares

#### INCA

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP \$0.130 per 100 shares

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# December 2024

# Non-S&P 500 Stocks

# Summary

Non-Directed Orders as % of All Orders			Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
15.68	25.85	51.06	23.09	0.00

## 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)
INET SMART- CURV-CRVI	5.51	97.54	14.52	11.01	0.00	592.0000	20.6555	257.0000	24.3616	-50.0000	-17.3361	0.0000	0.0000
INET Algo- CURV	5.28	0.82	44.40	46.79	0.00	10.0000	1.6365	770.0000	5.8292	213.0000	3.4545	0.0000	0.0000
OTCX- CURV	1.93	0.00	15.35	19.27	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Algo-CURV	1.89	0.82	19.50	8.26	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INCA	0.50	0.00	1.24	11.01	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITI POV- CURV	0.30	0.82	3.32	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
INET PART- CURV-CRVI	0.13	0.00	0.83	1.83	0.00	0.0000	0.0000	-6.0000	-0.6421	50.0000	10.6797	0.0000	0.0000
CITI DAGGER- CURV	0.10	0.00	0.41	1.83	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CITI SMART- CURV	0.03	0.00	0.41	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CODA	0.00	0.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

# Material Aspects:

INET SMART-CURV-CRVI:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Crobra, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate based on that months activity and the receiver of the properties o

#### INET Algo-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP, \$0.130 per 100 shares

#### OTCX-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP, \$0.130 per 100 shares

#### VIRTU Algo-CURV

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Make, Expert Participation, Expert TWAP and Expert WWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate based on that months activity activities receiving from Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert WAP \$0.130 per 100 shares and Curvature Securities receiving from Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert WAP \$0.130 per 100 shares and Curvature Securities receiving from Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert WAP \$0.130 per 100 shares and Expert WAP \$0.130 per 100 s

#### INCA:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Make, Expert Participation, Expert TWAP and Expert VWAP or that months or it has only in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate year that pays a blended trace based on that months activity. This blended rate pays that pays a blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate pays a blended rate based on that months activity. This blended rate pays a blended r

#### CITI POV-CURV:

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP, \$0.130 per 100 shares

#### INFT PART-CURV-CRVI-

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP, \$0.130 per 100 shares

#### CITI DAGGER-CURV

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities reseives from the relevant market. For all Expert Catora, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended in the thorough court types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended in the share the court of the share of

#### CITI SMART-CURV

Cuvature Securities may receive volume discounts not passed on to clients. Likewise, rebates passed on to clients by Curvature Securities may be less than the rebates Curvature Securities receives from the relevant market. For all Expert Cobra, Expert Make, Expert Make, Expert Participation, Expert TWAP and Expert VWAP order types and size, regardless of shares traded in a given day, month, year, etc., or any other negotiated qualifer, Curvature Securities receives or pays a blended rate based on that months activity. This blended rate over the past year ranged from Curvature Securities Paying Expert Cobra, Expert Make, Expert Participation, Expert TWAP and Expert VWAP, \$0.130 per 100 shares

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# December 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
0.00	0.00	0.00	0.00	0.00

Venue - Non- directed Order Flow	Directed Ord	larket 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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