

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)							
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October 2023

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
	8 .00 00	44 . 1 8	55 . 0 00	2

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 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)
	8	0	0	0	0	15	0	0	0	0	0	0

20 00 0 00 0 00

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November 2023

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
6 . 8	6.00 00	7 . 23	9 . 1	7 . 20

0 2

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(USD)	Net Payment Paid/Received for Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cent per hundred shares)
4 d	84 . 63	6 . 37	9 . 27	2	0 0	0	0	0	0	0	0	0
sLL												
6	9 . 1	4 .	2 17 .	2 1 7	1 1	0	0	0	0	0	0	0
sLL												
9	8 . x	6 .	7 17 3 5	1 7	1 57	2	0 00	0	0	0	0	0
u o sLL												
6 6		2	12 . 1	1 1	3 0 00	0	0 000	0	0	0	0	0
LL												
8	N D	4 7	2 .	0 00	3 0 00 7	0 .	0 000	0	0	0	0	0
A u o sLL												
9 4	D U	2 .	0 00 3	0 00 7	1 . 1	0 00	0	0	0	0	0	0
s												
.	N	3 9	2 8 .	0 00	0 00	0 1 .	0 000	0	0	0	0	0
o												
.	8 .	2 . 1	1 5	0 00	0 00	0 00	0 000	0	0	0	0	0
am sLL												
8	x	7 6	0 .	0 00 3	3 0 00	0	0 000	0	0	0	0	0
s												
96 . . . . .	. l	0 .	0 00	0 00	3 7 0 00	2	0	0	0	0	0	0
oss												

Material Aspects:
No material aspects- with any Venues.

December 2023

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
6.8	.0003	6.	7.20	8.72

1 1

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)
99 d		3	27.5	25.33	2.0075	21	0	0.0000	0	0.0000	0	0.0000	0
sLL													
4			47		20	55	0	0.0000	0	0.0000	0	0.0000	0
sLL													
486			1.1	2	32.0075	0.000	0	0.0000	0	0.0000	0	0.0000	0
u o 9 sLL													
68			1.8	17.5	30.5	2.000	0	0.0000	0	0.0020	0.5	0.0000	0
LL													
8			2	0.0033	0.00	1.000	0						
o													

December 2023

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
4 . 8	8 9 .00 00	38 .	. 1	8 0 20

0

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)
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