



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)
MEMX LLC EQUITIES (MEMX)	0.30	0.00	0.00	9.09	0.54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
New York Stock Exchange (NYSE)	0.10	0.00	0.00	1.65	2.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FIFTH THIRD SECURITIES, INC. (OHIO)	0.05	0.05	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

#### Material Aspects:

##### Citadel Securities LLC (CDRG):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### VIRTU Americas LLC (NITE):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### G1 Execution Services, LLC (ETMM):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### JANE STREET CAPITAL, LLC (JNST):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### FIDELITY CROSSSTREAM ATS (XSTM):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### TWO SIGMA SECURITIES, LLC (SOHO):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### HUDSON RIVER TRADING (HRT) (HRTF):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### STONEX FINANCIAL INC. (INTL):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### UBS SECURITIES LLC (UBSS):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### NASDAQ EXECUTION SERVICES, LLC (INET):



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)
STONEX FINANCIAL INC. (INTL)	0.91	0.97	0.48	0.00	0.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	0.87	0.00	0.00	42.50	0.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MEMX LLC EQUITIES (MEMX)	0.35	0.00	0.00	16.90	0.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ EXECUTION SERVICES, LLC (INET)	0.31	0.00	0.00	14.38	0.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
New York Stock Exchange (NYSE)	0.04	0.00	0.00	1.43	0.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
American Stock Exchange (AMEX)	0.00	0.00	0.00	0.00	0.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Archipelago Trading Services, Inc. (ARCA)	0.00	0.00	0.00	0.00	0.12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

#### Material Aspects:

##### Citadel Securities LLC (CDRG):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### VIRTU Americas LLC (NITE):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### G1 Execution Services, LLC (ETMM):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### JANE STREET CAPITAL, LLC (JNST):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### TWO SIGMA SECURITIES, LLC (SOHO):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### FIDELITY CROSSSTREAM ATS (XSTM):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### HUDSON RIVER TRADING (HRT) (HRTF):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### UBS SECURITIES LLC (UBSS):



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)
CBOE FX NDFS (CBOE)	9.26	15.46	0.00	4.39	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NOMISMA (LIECHTENSTEIN) AG (XNOM)	6.82	0.00	0.00	15.38	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
American Stock Exchange (AMEX)	5.36	7.21	0.00	4.39	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Archipelago Trading Services, Inc. (ARCA)	5.36	1.03	0.00	10.98	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MIAX PEARL EQUITIES (EPRL)	4.39	5.15	5.88	3.29	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BOX OPTIONS EXCHANGE (XBOX)	2.92	6.18	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	2.92	4.12	5.88	1.09	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
International Securities Exchange (ISEG)	2.43	1.03	5.88	3.29	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ISE MERCURY, LLC (MCRY)	0.97	2.06	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NASDAQ OMX BX OPTIONS (XBXO)	0.97	0.00	5.88	1.09	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Susquehanna Financial Group, LLP (SUF1)	0.97	1.03	0.00	1.09	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	0.48	1.03	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GLOBAL EXECUTION BROKERS, LP (GEBB)	0.48	0.00	0.00	1.09	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MIAX PEARL, LLC (MPRL)	0.48	1.03	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

#### Material Aspects:

##### DASH FINANCIAL TECHNOLOGIES LLC (DFIN):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### Philadelphia Stock Exchange (PHLX):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### Citadel Securities LLC (CDRG):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

##### CBOE FX NDFS (CBOE):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.



## 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	100.00	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)
Citadel Securities LLC (CDRG)	18.20	18.20	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	18.18	18.18	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	18.18	18.18	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	11.36	11.36	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STONEX FINANCIAL INC. (INTL)	11.36	11.36	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	11.36	11.36	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	9.09	9.09	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	2.27	2.27	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Material Aspects:

#### Citadel Securities LLC (CDRG):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

#### G1 Execution Services, LLC (ETMM):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

#### JANE STREET CAPITAL, LLC (JNST):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

#### HUDSON RIVER TRADING (HRT) (HRTF):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

#### STONEX FINANCIAL INC. (INTL):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**VIRTU Americas LLC (NITE):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**TWO SIGMA SECURITIES, LLC (SOHO):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**UBS SECURITIES LLC (UBSS):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

## 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
100.00	100.00	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)
Citadel Securities LLC (CDRG)	29.82	29.82	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	21.27	21.27	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	14.89	14.89	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	12.76	12.76	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	10.63	10.63	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STONEX FINANCIAL INC. (INTL)	6.38	6.38	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	4.25	4.25	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

#### Material Aspects:

**Citadel Securities LLC (CDRG):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**JANE STREET CAPITAL, LLC (JNST):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**HUDSON RIVER TRADING (HRT) (HRTF):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**VIRTU Americas LLC (NITE):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**G1 Execution Services, LLC (ETMM):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**STONEX FINANCIAL INC. (INTL):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**TWO SIGMA SECURITIES, LLC (SOHO):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

---

## 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

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)

### Material Aspects:

---

## 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
100.00	99.72	0.00	0.00	0.28

### 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 (CDRG)	28.00	28.09	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
G1 Execution Services, LLC (ETMM)	16.63	16.38	0.00	0.00	100.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
JANE STREET CAPITAL, LLC (JNST)	14.95	15.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HUDSON RIVER TRADING (HRT) (HRTF)	14.68	14.72	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
VIRTU Americas LLC (NITE)	9.14	9.16	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBS SECURITIES LLC (UBSS)	8.58	8.61	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STONEX FINANCIAL INC. (INTL)	4.43	4.44	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TWO SIGMA SECURITIES, LLC (SOHO)	3.32	3.33	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GTS SECURITIES LLC (GTSM)	0.27	0.27	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

### Material Aspects:

#### Citadel Securities LLC (CDRG):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

#### G1 Execution Services, LLC (ETMM):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

#### JANE STREET CAPITAL, LLC (JNST):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

#### HUDSON RIVER TRADING (HRT) (HRTF):

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.



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 (UBSS)	7.31	7.34	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STONEX FINANCIAL INC. (INTL)	4.21	4.23	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GTS SECURITIES LLC (GTSM)	1.55	1.55	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**Material Aspects:**

**Citadel Securities LLC (CDRG):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**JANE STREET CAPITAL, LLC (JNST):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**G1 Execution Services, LLC (ETMM):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**VIRTU Americas LLC (NITE):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**TWO SIGMA SECURITIES, LLC (SOHO):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**HUDSON RIVER TRADING (HRT) (HRTF):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**UBS SECURITIES LLC (UBSS):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**STONEX FINANCIAL INC. (INTL):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

**GTS SECURITIES LLC (GTSM):**

This report contains information regarding held orders (when the customer has not given price and time discretion for the order). Fifth Third Securities, Inc. (FTS) routes its held orders through the applicable clearing firm via a fully disclosed clearing agreement. FTS does not receive payment for order flow for held orders executed via the clearing firm. FTS and the clearing firm provide annual disclosure regarding payment for order flow covering held and not held orders (when the customer has given FTS price and time discretion for the order). Please visit [www.53.com](http://www.53.com) for additional information regarding FTS' order routing practices; including how to request information regarding not held orders for the past six months.

-----  
**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

**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)
---------------------------------	-------------------------	-------------------	-----------------------------	---------------------------------	------------------	--	---	--	---	--	---	---	--

**Material Aspects:**