

National Financial Services (NFS), our clearing firm, has prepared this report for UnionBanc Investment Services LLC (UBIS) pursuant to U.S Securities and Exchange Commission Rule 606 which requires broker-dealer firms to make publicly available quarterly reports on their routing practices. This report provides information on the routing of "non-directed orders," which are any orders that the customer has not specifically instructed to be routed to a particular venue for execution. For these non-directed orders, UBIS transmits all customer orders to NFS, and NFS selects the execution venue on behalf of UBIS' customers.

UBIS does not direct or Order Route any orders to any venues. UBIS does not receive payment for order flow. Furthermore, UBIS does not have any material relationships with any of the venues identified below.

The report is divided into the following four sections: (1) Securities listed on the New York Stock Exchange; (2) Securities listed on the NASDAQ Stock Market; (3) Securities listed on NYSE, Amex or Regional Exchanges; and (4) Exchange listed options. For each section, this report identifies the venues most often selected by NFS and sets forth the percentage of various types of orders routed to the venues.

UNIONBANC INVESTMENT SERVICES - Held NMS Stocks and Options Order Routing Public Report

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1st Quarter, 2023

January 2023

S&P 500 Stocks Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed 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)	
1,046	100.00	950	90.82	14	1.34	82	7.84	0	0.00	0	0	0	0	0	0	0	0	
Venues																		
Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	374	30.71	351	36.95	5	35.71	18	7.11	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	288	23.65	272	28.63	4	28.57	12	4.74	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	247	20.28	232	24.42	3	21.43	12	4.74	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	138	11.33	0	0.00	1	7.14	137	54.15	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	73	5.99	71	7.47	0	0.00	2	0.79	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	46	3.78	0	0.00	0	0.00	46	18.18	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	20	1.64	0	0.00	0	0.00	20	7.91	0	0.00	0	0	0	0	0	0	0	0
StoneX Financial INC.(INTL)	16	1.31	14	1.47	1	7.14	1	0.40	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	9	0.74	8	0.84	0	0.00	1	0.40	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	4	0.33	0	0.00	0	0.00	4	1.58	0	0.00	0	0	0	0	0	0	0	0

January 2023

Non-S&P 500 Stocks
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders										
1,478	100.00	1,335	90.32	19	1.29	101	6.83	23	1.56										
Venues																			
Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	518	29.79	488	36.61	8	44.44	10	3.05	12	20.00	0	0	0	0	0	0	0	0	
VIRTU Americas, LLC(NITE)	378	21.74	351	26.33	4	22.22	16	4.88	7	11.67	0	0	0	0	0	0	0	0	
G1 Execution Services, LLC(ETMM)	329	18.92	320	24.01	3	16.67	5	1.52	1	1.67	0	0	0	0	0	0	0	0	
Jane Street Capital, LLC(JNST)	144	8.28	137	10.28	3	16.67	4	1.22	0	0.00	0	0	0	0	0	0	0	0	
New York Stock Exchange(NYSE)	107	6.15	0	0.00	0	0.00	107	32.62	0	0.00	0	0	0	0	0	0	0	0	
NYSE Arca(ARCA)	88	5.06	0	0.00	0	0.00	88	26.83	0	0.00	0	0	0	0	0	0	0	0	
NASDAQ Execution Services, LLC(NSDQ)	48	2.76	0	0.00	0	0.00	48	14.63	0	0.00	0	0	0	0	0	0	0	0	
Cboe EDGX US Equities Exchange(EDGX)	39	2.24	0	0.00	0	0.00	39	11.89	0	0.00	0	0	0	0	0	0	0	0	
Instinet BlockCross(BLKX)	37	2.13	0	0.00	0	0.00	0	0.00	37	61.67	0	0	0	0	0	0	0	0	
Two Sigma Securities, LLC(SOHO)	15	0.86	15	1.13	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0	

January 2023

Option Contracts
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders
35	100.00	14	40.00	4	11.43	17	48.57	0	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	25	51.02	8	57.14	4	100.00	13	41.94	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	11	22.45	2	14.29	0	0.00	9	29.03	0	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	10	20.41	1	7.14	0	0.00	9	29.03	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	3	6.12	3	21.43	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0

February 2023

S&P 500 Stocks
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders									
926	100.00	769	83.05	26	2.81	128	13.82	3	0.32									
Venues																		
Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	343	29.29	307	38.23	7	26.92	27	8.01	2	40.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	252	21.52	228	28.39	10	38.46	13	3.86	1	20.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	209	17.85	184	22.91	9	34.62	16	4.75	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	137	11.70	0	0.00	0	0.00	137	40.65	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	69	5.89	67	8.34	0	0.00	2	0.59	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	65	5.55	0	0.00	0	0.00	65	19.29	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	57	4.87	0	0.00	0	0.00	57	16.91	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	19	1.62	0	0.00	0	0.00	19	5.64	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	12	1.02	11	1.37	0	0.00	1	0.30	0	0.00	0	0	0	0	0	0	0	0
StoneX Financial INC.(INTL)	4	0.34	4	0.50	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0

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Non-S&P 500 Stocks
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders									
1,353	100.00	1,204	88.99	30	2.22	95	7.02	24	1.77									
Venues																		
Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	503	30.03	464	37.21	9	32.14	16	4.78	14	21.54	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	359	21.43	340	27.27	8	28.57	4	1.19	7	10.77	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	315	18.81	300	24.06	7	25.00	7	2.09	1	1.54	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	112	6.69	108	8.66	1	3.57	3	0.90	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	96	5.73	0	0.00	3	10.71	93	27.76	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	94	5.61	0	0.00	0	0.00	94	28.06	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	59	3.52	0	0.00	0	0.00	59	17.61	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	41	2.45	0	0.00	0	0.00	0	0.00	41	63.08	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	39	2.33	0	0.00	0	0.00	39	11.64	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	21	1.25	18	1.44	0	0.00	3	0.90	0	0.00	0	0	0	0	0	0	0	0

February 2023

Option Contracts
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders
51	100.00	17	33.33	2	3.92	32	62.75	0	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	26	44.83	10	58.82	1	50.00	15	38.46	0	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	14	24.14	0	0.00	0	0.00	14	35.90	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	10	17.24	2	11.76	0	0.00	8	20.51	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	6	10.34	5	29.41	1	50.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Morgan Stanley & Company LLC(MSCO)	2	3.45	0	0.00	0	0.00	2	5.13	0	0.00	0	0	0	0	0	0	0	0

March 2023

S&P 500 Stocks
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders
1,041	100.00	850	81.65	28	2.69	161	15.47	2	0.19

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	359	27.51	305	35.92	15	46.88	39	9.42	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	297	22.76	268	31.57	10	31.25	19	4.59	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	205	15.71	188	22.14	4	12.50	13	3.14	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	135	10.34	0	0.00	1	3.13	134	32.37	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	130	9.96	0	0.00	2	6.25	128	30.92	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	78	5.98	66	7.77	0	0.00	12	2.90	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	48	3.68	0	0.00	0	0.00	48	11.59	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	17	1.30	0	0.00	0	0.00	17	4.11	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	15	1.15	13	1.53	0	0.00	2	0.48	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	8	0.61	0	0.00	0	0.00	0	0.00	8	80.00	0	0	0	0	0	0	0	0

March 2023

Non-S&P 500 Stocks
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders									
1,378	100.00	1,148	83.31	42	3.05	167	12.12	21	1.52									
Venues																		
Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	474	28.37	427	37.20	16	37.21	24	5.93	7	9.33	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	373	22.32	333	29.01	11	25.58	18	4.44	11	14.67	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	277	16.58	250	21.78	8	18.60	19	4.69	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	128	7.66	117	10.19	5	11.63	6	1.48	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	93	5.57	0	0.00	0	0.00	93	22.96	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	75	4.49	0	0.00	0	0.00	75	18.52	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	74	4.43	0	0.00	0	0.00	74	18.27	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	57	3.41	3	0.26	0	0.00	0	0.00	54	72.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	57	3.41	0	0.00	1	2.33	56	13.83	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	25	1.50	0	0.00	0	0.00	25	6.17	0	0.00	0	0	0	0	0	0	0	0

March 2023

Option Contracts
Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non-Directed Orders	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non-Marketable Limit Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non-Directed Orders
61	100.00	12	19.67	1	1.64	48	78.69	0	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	Other 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)	22	38.60	5	41.67	1	100.00	16	36.36	0	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	17	29.82	0	0.00	0	0.00	17	38.64	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	11	19.30	2	16.67	0	0.00	9	20.45	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	7	12.28	5	41.67	0	0.00	2	4.55	0	0.00	0	0	0	0	0	0	0	0