

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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3rd Quarter, 2022

July 2022

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
881	100.00	718	81.50	28	3.18	133	15.10	2	0.23

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)	289	27.29	240	33.47	12	41.38	36	11.73	1	16.67	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	184	17.37	171	23.85	1	3.45	12	3.91	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	183	17.28	152	21.20	14	48.28	16	5.21	1	16.67	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	145	13.69	136	18.97	0	0.00	9	2.93	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	115	10.86	0	0.00	1	3.45	114	37.13	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	62	5.85	0	0.00	1	3.45	61	19.87	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	40	3.78	0	0.00	0	0.00	40	13.03	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	18	1.70	0	0.00	0	0.00	18	5.86	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	13	1.23	13	1.81	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	6	0.57	5	0.70	0	0.00	1	0.33	0	0.00	0	0	0	0	0	0	0	0

July 2022

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	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)	
1,334	100.00	1,125	84.33	45	3.37	115	8.62	49	3.67									
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)	475	29.36	384	34.16	20	50.00	43	11.41	28	36.36	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	288	17.80	272	24.20	8	20.00	8	2.12	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	274	16.93	233	20.73	8	20.00	17	4.51	16	20.78	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	216	13.35	207	18.42	4	10.00	5	1.33	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	85	5.25	0	0.00	0	0.00	85	22.55	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	82	5.07	0	0.00	0	0.00	82	21.75	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	65	4.02	0	0.00	0	0.00	65	17.24	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	50	3.09	0	0.00	0	0.00	50	13.26	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	28	1.73	0	0.00	0	0.00	0	0.00	28	36.36	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	19	1.17	18	1.60	0	0.00	1	0.27	0	0.00	0	0	0	0	0	0	0	0

July 2022

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									
27	100.00	9	33.33	5	18.52	13	48.15	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)	11	35.48	2	22.22	4	80.00	5	29.41	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	9	29.03	3	33.33	1	20.00	5	29.41	0	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	7	22.58	0	0.00	0	0.00	7	41.18	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	4	12.90	4	44.44	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0

August 2022

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									
1,142	100.00	974	85.29	30	2.63	136	11.91	2	0.18									
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)	380	27.08	335	34.39	9	30.00	34	8.61	2	50.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	311	22.17	287	29.47	4	13.33	20	5.06	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	241	17.18	210	21.56	16	53.33	15	3.80	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	206	14.68	0	0.00	0	0.00	206	52.15	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	133	9.48	127	13.04	1	3.33	5	1.27	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	60	4.28	0	0.00	0	0.00	60	15.19	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	47	3.35	0	0.00	0	0.00	47	11.90	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	8	0.57	8	0.82	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	8	0.57	7	0.72	0	0.00	1	0.25	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	7	0.50	0	0.00	0	0.00	7	1.77	0	0.00	0	0	0	0	0	0	0	0

August 2022

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									
1,758	100.00	1,476	83.96	49	2.79	185	10.52	48	2.73									
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)	583	28.68	511	34.74	20	40.82	32	7.60	20	21.74	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	412	20.27	388	26.38	11	22.45	10	2.38	3	3.26	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	391	19.23	351	23.86	10	20.41	7	1.66	23	25.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	199	9.79	187	12.71	7	14.29	5	1.19	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	90	4.43	0	0.00	0	0.00	90	21.38	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	83	4.08	0	0.00	0	0.00	83	19.71	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	82	4.03	0	0.00	1	2.04	81	19.24	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	77	3.79	0	0.00	0	0.00	77	18.29	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX) Members	44	2.16	0	0.00	0	0.00	0	0.00	44	47.83	0	0	0	0	0	0	0	0
Exchange(MEMX)	31	1.52	0	0.00	0	0.00	31	7.36	0	0.00	0	0	0	0	0	0	0	0

August 2022

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									
40	100.00	11	27.50	3	7.50	25	62.50	1	2.50									
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	59.09	9	81.82	1	33.33	15	51.72	1	100.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	8	18.18	0	0.00	0	0.00	8	27.59	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	5	11.36	0	0.00	1	33.33	4	13.79	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	3	6.82	2	18.18	1	33.33	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Morgan Stanley & Company LLC(MSCO)	2	4.55	0	0.00	0	0.00	2	6.90	0	0.00	0	0	0	0	0	0	0	0

September 2022

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
1,216	100.00	1,049	86.27	71	5.84	92	7.57	4	0.33

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)	463	30.81	402	36.45	37	50.00	21	6.71	3	23.08	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	302	20.09	262	23.75	25	33.78	14	4.47	1	7.69	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	289	19.23	278	25.20	4	5.41	7	2.24	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	171	11.38	1	0.09	0	0.00	170	54.31	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	151	10.05	136	12.33	5	6.76	10	3.19	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	59	3.93	0	0.00	0	0.00	59	18.85	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	22	1.46	0	0.00	0	0.00	22	7.03	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	16	1.06	13	1.18	3	4.05	0	0.00	0	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	11	0.73	11	1.00	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	10	0.67	0	0.00	0	0.00	10	3.19	0	0.00	0	0	0	0	0	0	0	0

September 2022

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									
1,673	100.00	1,437	85.89	48	2.87	156	9.32	32	1.91									
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)	596	28.61	534	35.53	25	43.86	16	3.85	21	19.63	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	410	19.68	386	25.68	7	12.28	17	4.09	0	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	385	18.48	355	23.62	14	24.56	7	1.68	9	8.41	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	217	10.42	206	13.71	6	10.53	5	1.20	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	109	5.23	0	0.00	2	3.51	107	25.72	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	91	4.37	0	0.00	0	0.00	91	21.88	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	77	3.70	0	0.00	0	0.00	77	18.51	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	75	3.60	0	0.00	0	0.00	0	0.00	75	70.09	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	67	3.22	0	0.00	0	0.00	67	16.11	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	29	1.39	0	0.00	0	0.00	29	6.97	0	0.00	0	0	0	0	0	0	0	0

September 2022

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									
26	100.00	11	42.31	3	11.54	12	46.15	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)	10	37.04	3	27.27	2	66.67	5	38.46	0	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	6	22.22	0	0.00	0	0.00	6	46.15	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	5	18.52	3	27.27	1	33.33	1	7.69	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	5	18.52	5	45.45	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0
Morgan Stanley & Company LLC(MSCO)	1	3.70	0	0.00	0	0.00	1	7.69	0	0.00	0	0	0	0	0	0	0	0