





<b>name</b>	<b>mic</b>	<b>orderPct</b>	<b>marketPct</b>	<b>marketableLimitPct</b>
Citadel Securities LLC	CDRG	40	40	0
VIRTU Americas LLC	NITE	40	40	0
JANE STREET CAPITAL, LLC	JNST	10	10	0
Two Sigma Securities, LLC	SOHO	10	10	0

Citadel Securities LLC	CDRG	83.33	83.33	0
VIRTU Americas LLC	NITE	16.67	16.67	0

Citadel Securities LLC	CDRG	42.86	42.86	0
VIRTU Americas LLC	NITE	28.57	28.57	0
JANE STREET CAPITAL, LLC	JNST	14.29	14.29	0
Two Sigma Securities, LLC	SOHO	14.29	14.29	0









netPmtPaidRecvOtherOrdersCph

0

0

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0

0





ndoPct3	ndoMarketPct4	ndoMarketableLimitPct5	ndoNonmarketableLimitPct6
).(iv.)]			
).(iv.)]			
).(iv.)]			
).(iv.)]			
100	99.89	0	0.11
100	99.89	0	0.11
100	99.89	0	0.11
100	99.89	0	0.11
100	99.89	0	0.11
100	99.89	0	0.11
100	99.89	0	0.11
100	99.89	0	0.11
).(iv.)]			
).(iv.)]			
100	67.16	0.13	32.71
100	67.16	0.13	32.71
100	67.16	0.13	32.71
100	67.16	0.13	32.71
100	67.16	0.13	32.71
100	67.16	0.13	32.71
100	67.16	0.13	32.71
100	67.16	0.13	32.71
100	67.16	0.13	32.71
).(iv.)]			
).(iv.)]			
).(iv.)]			
).(iv.)]			
100	99.89	0.08	0.04
100	99.89	0.08	0.04
100	99.89	0.08	0.04
100	99.89	0.08	0.04
100	99.89	0.08	0.04
100	99.89	0.08	0.04
100	99.89	0.08	0.04
100	99.89	0.08	0.04



marketableLimitPct12	nonMarketableLimitPct13	otherPct14
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	100	0
0	20.1	0
0	59.97	0
0	14.1	0
100	1.62	0
0	1.13	0
0	2.43	0
0	0.49	0
0	0.16	0
100	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	100	0

netPmtPaidRecvMarketOrdersUsd15	netPmtPaidRecvMarketOrdersCph16
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0



netPmtPaidRecvNonMarketableLimitOrdersUsd19

	0
	0
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netPmtPaidRecvOtherOrdersCph22

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materialAspects44

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

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[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]

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[Insert discussion of the material aspects of the relationship with this venue pursuant to rule 606(a)(1)(iv).]