

Liquidity Analysis

Based on data from 10 Dec, 2018 to 14 Dec, 2018

10 Contracts

Product	GLOBEX Ticker	Bberg Ticker	Contract Price	Contract Value \$	10-Contract Notional (\$ '000)	B/A (pts)	B/A (bps)
Russell 2000	RTYZ8	RTYZ8	1438.32	71,916	719	0.27	1.88
		Average		71,916	719	0.27	1.88

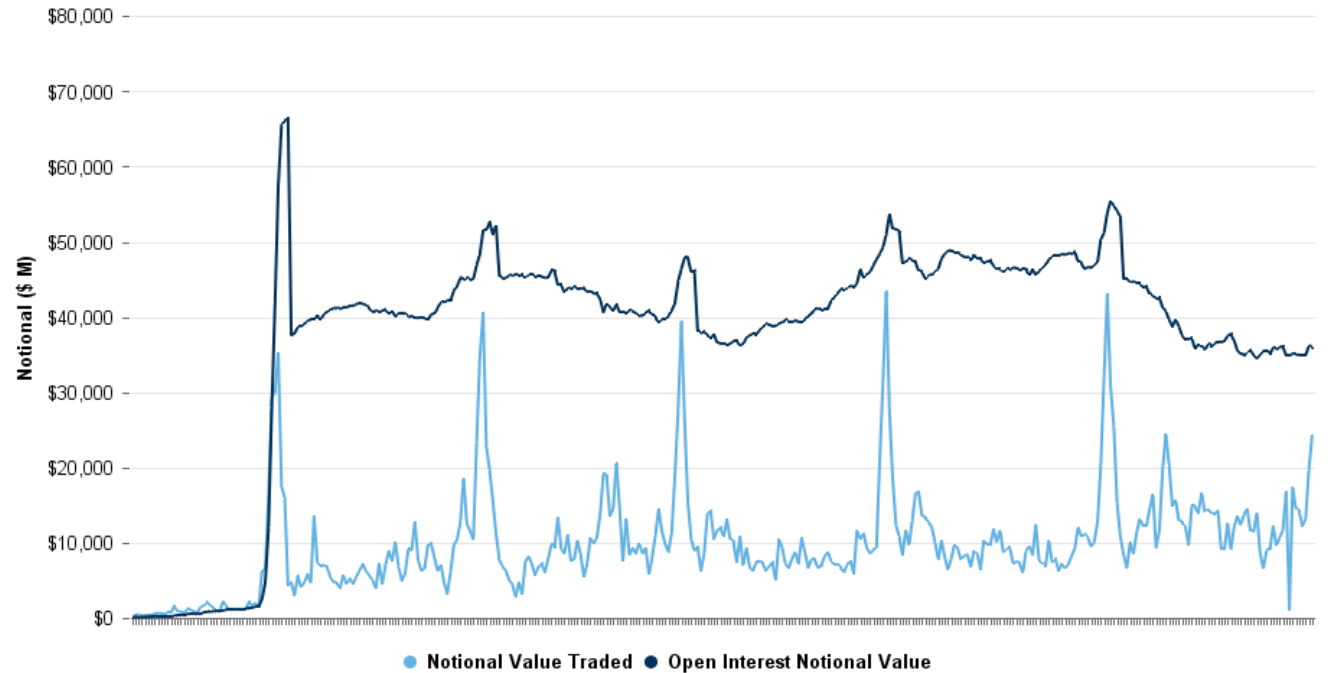
Activity Summary: Last 364 days

Product	Avg Daily Volume	Block Trade %	Open Interest	Avg Daily (\$ M)	Open Int. (\$ 'M)	Trade (% Total)	Open Int. (% Total)
Russell 2000	169,900	0.0%	477,349	\$12,518	\$35,361	100.0%	100.0%
Sum:	169,900	0.0%	477,349	\$12,518	\$35,361	100.0%	100.0%

Historical Volume and Open Interest

Date	Trading		Open Interest	
	Contracts	Notl (\$ M)	Contracts	Notl (\$ M)
12/14/18	344,536	\$24,362	507,671	\$35,875
12/13/18	277,074	\$19,859	507,260	\$36,275
12/12/18	182,260	\$13,268	481,045	\$35,011
12/11/18	170,714	\$12,328	483,749	\$34,947
12/10/18	196,897	\$14,247	483,103	\$34,957
12/7/18	200,772	\$14,557	482,359	\$35,029
12/6/18	236,910	\$17,476	477,163	\$35,203
12/5/18	14,833	\$1,099	470,643	\$34,883
12/4/18	228,099	\$16,901	472,008	\$34,985
12/3/18	152,510	\$11,803	466,590	\$36,120
11/30/18	139,926	\$10,737	469,067	\$36,012
11/29/18	126,952	\$9,696	468,029	\$35,752
11/28/18	159,838	\$12,211	471,195	\$35,997
11/27/18	123,961	\$9,258	470,762	\$35,162
11/26/18	120,997	\$9,096	472,227	\$35,483
11/23/18	89,482	\$6,649	477,594	\$35,498
11/21/18	116,642	\$8,678	471,992	\$35,121
11/20/18	192,234	\$14,099	470,247	\$34,512
11/19/18	153,463	\$11,513	466,931	\$35,046

E-mini Russell 2000 Futures Volume and Open Interest



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