

## Q4 2017 De-Escalation to Q3 2006

De-Esc					De-Esc					De-Esc					De-Esc					De-Esc					De-Esc									
Quarter	Year	Trending	Multiplier	Inverse	Quarter	Year	Trending	Multiplier	Inverse	Quarter	Year	Trending	Multiplier	Inverse	Quarter	Year	Trending	Multiplier	Inverse	Quarter	Year	Trending	Multiplier	Inverse	Quarter	Year	Trending	Multiplier	Inverse	Quarter	Year	Trending	Multiplier	Inverse
M07	1998	-0.100121	0.899879	1.11126																														
M07	1999	-0.097474	0.902526	1.108001																														
M07	2000	-0.094168	0.905832	1.103958																														
M07	2001	-0.091053	0.908947	1.100174																														
M07	2002	-0.089120	0.910880	1.097839																														
M07	2003	-0.087043	0.912957	1.095342																														
M07	2004	-0.072818	0.927182	1.078537																														
M07	2005	-0.065858	0.934142	1.070501																														
M07	2006	0	1	1	M01	2016	0.180113	1.180113	0.847376	M01	2025	1.008638	1.704013	0.58685	M01	2034	1.008638	2.322441	0.430581	M01	2043	1.008638	3.165312	0.315925	M01	2052	1.008638	4.31408	0.231799	M01	2061	1.008638	5.879765	0.170075
M10	2006	-0.015471	0.984529	1.015714	M04	2016	0.198037	1.198037	0.834699	M04	2025	1.008638	1.718733	0.581824	M04	2034	1.008638	2.342503	0.426894	M04	2043	1.008638	3.192654	0.313219	M04	2052	1.008638	4.351345	0.229814	M04	2061	1.008638	5.930554	0.168618
M01	2007	-0.013848	0.986152	1.014042	M07	2016	0.248203	1.248203	0.801152	M07	2025	1.008638	1.733579	0.576841	M07	2034	1.008638	2.362737	0.423238	M07	2043	1.008638	3.220232	0.310537	M07	2052	1.008638	4.388932	0.227846	M07	2061	1.008638	5.981783	0.167174
M04	2007	-0.012841	0.987159	1.013008	M10	2016	0.248685	1.248685	0.800843	M10	2025	1.008638	1.748554	0.571901	M10	2034	1.008638	2.383146	0.419613	M10	2043	1.008638	3.248048	0.307877	M10	2052	1.008638	4.426844	0.225895	M10	2061	1.008638	6.033453	0.165743
M07	2007	-0.000584	0.999416	1.000584	M01	2017	0.254820	1.254820	0.796927	M01	2026	1.008638	1.763658	0.567003	M01	2035	1.008638	2.403732	0.416021	M01	2044	1.008638	3.276105	0.305241	M01	2053	1.008638	4.465083	0.223961	M01	2062	1.008638	6.08557	0.164323
M10	2007	0.010755	1.010755	0.989359	M04	2017	0.267278	1.267278	0.789093	M04	2026	1.008638	1.778892	0.562148	M04	2035	1.008638	2.424496	0.412457	M04	2044	1.008638	3.304404	0.302626	M04	2053	1.008638	4.503652	0.222042	M04	2062	1.008638	6.138137	0.162916
M01	2008	0.011325	1.011325	0.988802	M07	2017	0.292072	1.292072	0.773951	M07	2026	1.008638	1.794258	0.557333	M07	2035	1.008638	2.445438	0.408925	M07	2044	1.008638	3.332947	0.300035	M07	2053	1.008638	4.542555	0.22014	M07	2062	1.008638	6.191159	0.161521
M04	2008	0.014916	1.014916	0.985303	M10	2017	0.327849	1.327849	0.753098	M10	2026	1.008638	1.809757	0.55256	M10	2035	1.008638	2.466562	0.405423	M10	2044	1.008638	3.361737	0.297465	M10	2053	1.008638	4.581794	0.218255	M10	2062	1.008638	6.244638	0.160137
M07	2008	0.032812	1.032812	0.968231	M01	2018	1.008638	1.339319	0.746648	M01	2027	1.008638	1.82539	0.547828	M01	2036	1.008638	2.487868	0.401951	M01	2045	1.008638	3.390776	0.294918	M01	2054	1.008638	4.621371	0.216386	M01	2063	1.008638	6.298579	0.158766
M10	2008	0.066705	1.066705	0.937466	M04	2018	1.008638	1.350888	0.740254	M04	2027	1.008638	1.841158	0.543137	M04	2036	1.008638	2.509358	0.398508	M04	2045	1.008638	3.420066	0.292392	M04	2054	1.008638	4.66129	0.214533	M04	2063	1.008638	6.352986	0.157406
M01	2009	0.05623976	1.05624	0.946755	M07	2018	1.008638	1.362557	0.733914	M07	2027	1.008638	1.857062	0.538485	M07	2036	1.008638	2.531034	0.395095	M07	2045	1.008638	3.449608	0.289888	M07	2054	1.008638	4.701555	0.212696	M07	2063	1.008638	6.407863	0.156058
M04	2009	0.049666	1.049666	0.952684	M10	2018	1.008638	1.374326	0.727629	M10	2027	1.008638	1.873103	0.533874	M10	2036	1.008638	2.552897	0.391712	M10	2045	1.008638	3.479406	0.287405	M10	2054	1.008638	4.742167	0.210874	M10	2063	1.008638	6.463214	0.154722
M07	2009	0.046880	1.046880	0.955219	M01	2019	1.008638	1.386198	0.721398	M01	2028	1.008638	1.889283	0.529301	M01	2037	1.008638	2.574949	0.388357	M01	2046	1.008638	3.509461	0.284944	M01	2055	1.008638	4.78313	0.209068	M01	2064	1.008638	6.519044	0.153397
M10	2009	0.043809	1.043809	0.95803	M04	2019	1.008638	1.398172	0.71522	M04	2028	1.008638	1.905602	0.524768	M04	2037	1.008638	2.597192	0.385031	M04	2046	1.008638	3.539776	0.282504	M04	2055	1.008638	4.824446	0.207278	M04	2064	1.008638	6.575355	0.152083
M01	2010	0.045606	1.045606	0.956383	M07	2019	1.008638	1.410249	0.709095	M07	2028	1.008638	1.922063	0.520274	M07	2037	1.008638	2.619626	0.381734	M07	2046	1.008638	3.570352	0.280084	M07	2055	1.008638	4.86612	0.205503	M07	2064	1.008638	6.632153	0.150781
M04	2010	0.047404	1.047404	0.954741	M10	2019	1.008638	1.422431	0.703022	M10	2028	1.008638	1.938666	0.515819	M10	2037	1.008638	2.642255	0.378465	M10	2046	1.008638	3.601193	0.277686	M10	2055	1.008638	4.908153	0.203743	M10	2064	1.008638	6.689441	0.149489
M07	2010	0.074659	1.074659	0.930528	M01	2020	1.008638	1.434718	0.697001	M01	2029	1.008638	1.955412	0.511401	M01	2038	1.008638	2.665078	0.375223	M01	2047	1.008638	3.6323	0.275308	M01	2056	1.008638	4.95055	0.201998	M01	2065	1.008638	6.747225	0.148209
M10	2010	0.090560	1.090560	0.91696	M04	2020	1.008638	1.447111	0.691032	M04	2029	1.008638	1.972303	0.507022	M04	2038	1.008638	2.688099	0.37201	M04	2047	1.008638	3.663676	0.27295	M04	2056	1.008638	4.993313	0.200268	M04	2065	1.008638	6.805507	0.14694
M01	2011	0.092724	1.092724	0.915144	M07	2020	1.008638	1.459611	0.685114	M07	2029	1.008638	1.989339	0.502679	M07	2038	1.008638	2.711319	0.368824	M07	2047	1.008638	3.695323	0.270612	M07	2056	1.008638	5.036445	0.198553	M07	2065	1.008638	6.864293	0.145681
M04	2011	0.100132	1.100132	0.908982	M10	2020	1.008638	1.472219	0.679247	M10	2029	1.008638	2.006523	0.498374	M10	2038	1.008638	2.734739	0.365666	M10	2047	1.008638	3.727243	0.268295	M10	2056	1.008638	5.07995	0.196852	M10	2065	1.008638	6.923587	0.144434
M07	2011	0.105417	1.105417	0.904636	M01	2021	1.008638	1.484936	0.67343	M01	2030	1.008638	2.023856	0.494106	M01	2039	1.008638	2.758362	0.362534	M01	2048	1.008638	3.759439	0.265997	M01	2057	1.008638	5.12383	0.195166	M01	2066	1.008638	6.983393	0.143197
M10	2011	0.119571	1.119571	0.893199	M04	2021	1.008638	1.497763	0.667662	M04	2030	1.008638	2.041338	0.489875	M04	2039	1.008638	2.782189	0.359429	M04	2048	1.008638	3.791913	0.263719	M04	2057	1.008638	5.16809	0.193495	M04	2066	1.008638	7.043716	0.141971
M01	2012	0.121383	1.121383	0.891756	M07	2021	1.008638	1.510701	0.661944	M07	2030	1.008638	2.058971	0.48568	M07	2039	1.008638	2.806221	0.356351	M07	2048	1.008638	3.824667	0.261461	M07	2057	1.008638	5.212732	0.191838	M07	2066	1.008638	7.104559	0.140755
M04	2012	0.124367	1.124367	0.88939	M10	2021	1.008638	1.52375	0.656276	M10	2030	1.008638	2.076756	0.48152	M10	2039	1.008638	2.830462	0.353299	M10	2048	1.008638	3.857705	0.259221	M10	2057	1.008638	5.25776	0.190195	M10	2066	1.008638	7.165928	0.139549
M07	2012	0.129914	1.129914	0.885023	M01	2022	1.008638	1.536912	0.650655	M01	2031	1.008638	2.094695	0.477396	M01	2040	1.008638	2.854911	0.350274	M01	2049	1.008638	3.891028	0.257002	M01	2058	1.008638	5.303176	0.188566	M01	2067	1.008638	7.227828	0.138354
M10	2012	0.137729	1.137729	0.878944	M04	2022	1.008638	1.550188	0.645083	M04	2031	1.008638	2.112789	0.473308	M04	2040	1.008638	2.879572	0.347274	M04	2049	1.008638	3.924638	0.254801	M04	2058	1.008638	5.348985	0.186951	M04	2067	1.008638	7.290262	0.137169
M01	2013	0.138291	1.138291	0.87851	M07	2022	1.008638	1.563579	0.639558	M07	2031	1.008638	2.13104	0.469255	M07	2040	1.008638	2.904446	0.3443	M07	2049	1.008638	3.958539	0.252618	M07	2058	1.008638	5.39519	0.18535	M07	2067	1.008638	7.353235	0.135995
M04	2013	0.14104																																