How to Measure a Tornado

■ The original [illegible] (or F Scale) was developed by Dr. Theodore Fujita to classify tornadoes based on wind damage. All tornadoes, and other severe local windstorms, were assigned a number according to the most intense damage caused by the storm. An enhanced F scale (EF) was implemented in the United States on February 1, 2007. The new EF scale uses three-second gust estimates based on a more detailed system for assessing damage, taking into account different building materials.

F SCALE				EF SCALE (U.S.)			
0	40	72	(64 116 /)	0	65	5	(105 137 /)
1	73	112	(117 1 0 /)	1	6	110	(13 17 /)
2	113	157	(1 1 253 /)	2	111	135	(17 21 /)
3	15	207	(254 332 /)	3	136	165	(21 266 /)
4	20	260	(333 41 /)	4	166	200	(267 322 /)
5	261	31	(420 512 /)	5		200	(322 /)

Wind / Barometer Table

Barometer (Reduced to Sea Level)	Wind Direction	Character of [illegible] Indicated
30.00 to 30.20, and steady	westerly	Fair, with slight changes in temperature, for one to two days.
30.00 to 30.20, and rising rapidly	westerly	Fair, followed within two days by warmer and rain.
30.00 to 30.20, and falling rapidly	south to east	Warmer, and rain within 24 hours.
30.20 or above, and falling rapidly	south to east	Warmer, and rain within 36 hours.
30.20 or above, and falling rapidly	west to north	Cold and clear, quickly followed by warmer and rain.
30.20 or above, and steady	variable	No early change.
30.00 or below, and falling slowly	south to east	Rain within 18 hours that will continue a day or two.
30.00 or below, and falling rapidly	southeast to northeast	Rain, with high wind, followed within two days by clearing, colder.
30.00 or below, and rising	south to west	Clearing and colder within 12 hours.
29.80 or below, and falling rapidly	south to east	Severe storm of wind and rain imminent. In winter, snow or cold wave within 24 hours.
29.80 or below, and falling rapidly	east to north	Severe northeast gales and heavy rain or snow, followed in winter by cold wave.
29.80 or below, and rising rapidly	going to west	Clearing and colder.

[illegible] A bar [illegible] r b [illegible] a [illegible] a [illegible] a [illegible] r [illegible] r [illegible] a [illegible] a c b [illegible] A c a [illegible] 100 [illegible] a ca [illegible] a [illegible] cr [illegible] a [illegible] 1/10 c [illegible] r [illegible] a .