

Between 1953 and 1982, 1864 CONUS tornadoes were coded in the official database with an F-scale rating of -9 (unknown).

The table below explains how these tornado records were modified to provide an estimated F-scale rating. All changed records are identified in the database by the “fc” field (fc=1 if the F-scale was changed from -9 to another value, fc=0, all unchanged F-scales).

IF property loss is equal to:	THEN set F-scale equal to:	IF path length <=5 miles add:	IF path length >5 miles add:
0,1 (<\$50)	0	0	+1
2,3 (up to \$5K)	1	-1	+1
4,5 (up to \$500K)	2	-1	+1
6,7 (up to \$50M)	3	-1	+1
8,9 (up to \$5B)*	4	-1	+1

** No F=-9 tornado records met the 8,9 property loss criteria.*

Using the table above on unknown F-scale rated tornado records that included property loss and path length information resulted in the following breakdown of tornadoes ranked by estimated F-scale (percent of total F=-9 records is shown):

- F0: 1038 tornadoes (55.5%)
- F1: 742 tornadoes (40.1%)
- F2: 26 tornadoes (1.3%)
- F3: 52 tornadoes (2.7%)
- F4: 6 tornadoes (0.3%)
- F5: None

1864 F=-9 records were changed/modified between 1953 and 1982.