

Severe Weather Climatology for the Pittsburgh, PA Warning Area

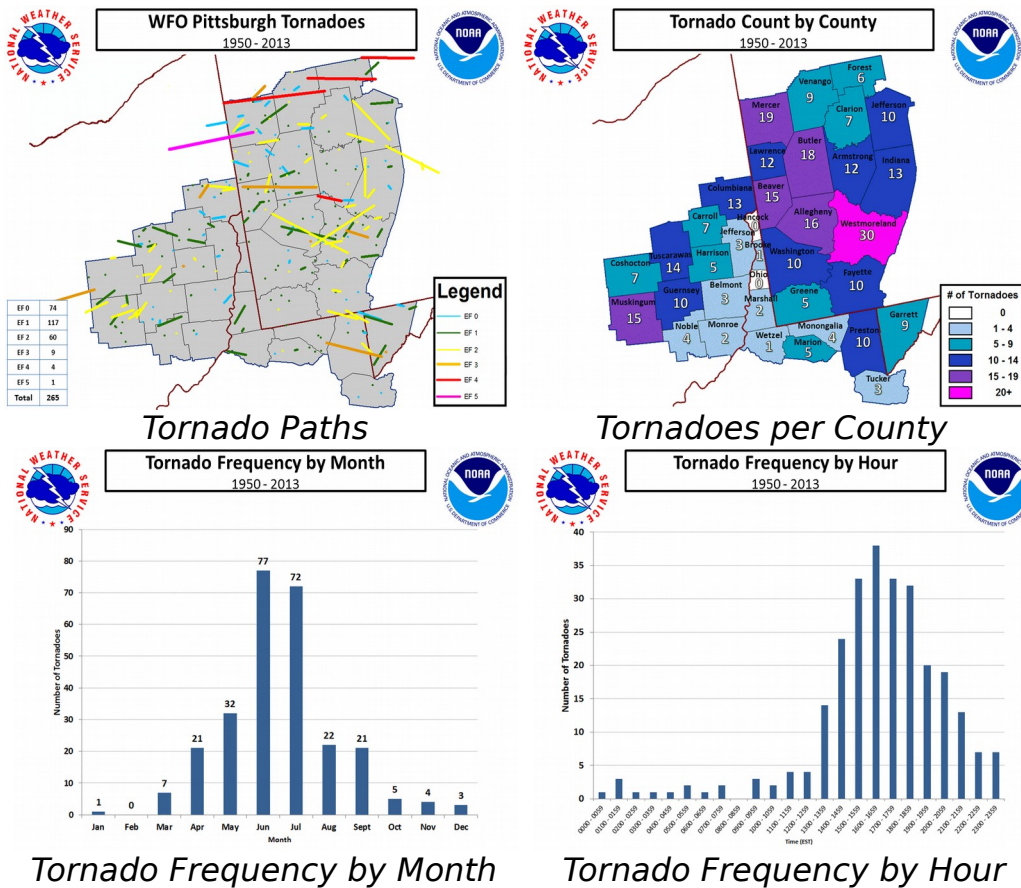
- National Weather Service, Pittsburgh office

This page provides an overview of severe weather climatology for the Pittsburgh, PA (PBZ) CWA since 1950.

This climatology looks at severe weather for the PBZ WA from 1950 to 2013. The weather variables in this climatology are tornadoes (1950-2013), severe winds (1955-2013; 58 mph or greater), and large hail (1955-2013; 0.75" in diameter or larger). In 2010, the threshold for severe hail changed from 0.75" to 1.00", however, the NWS still collects reports of hail greater than 0.75".

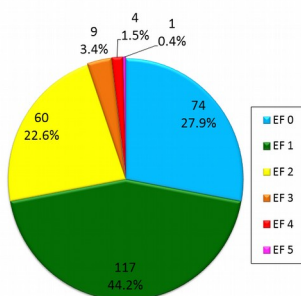
It is important to view these severe weather reports as just that, reports. We rely heavily on Skywarn Spotters, Broadcast Media, Cooperative Observers, County Officials, and the Public for severe weather reports. While we remain diligent in our efforts to document every occurrence of severe weather, we understand that a lot of cases go unrecorded. Each one of severe weather elements was looked at in detail to determine favorable times of occurrence by month and time and day.

Tornadoes





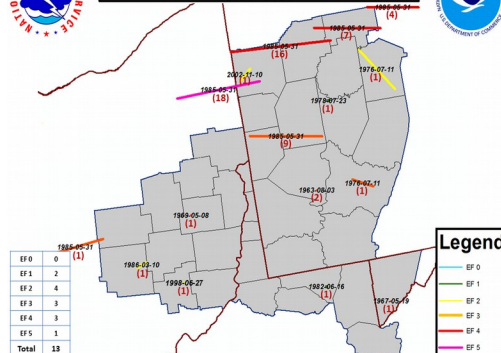
WFO Pittsburgh Tornadoes
1950 - 2013



Tornado Strength Proportions



Tornado Fatalities
1950 - 2013

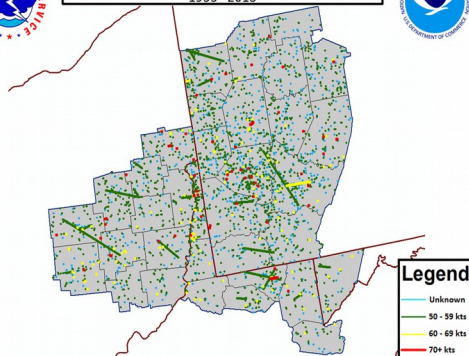


Tornado Fatalities

Severe Winds



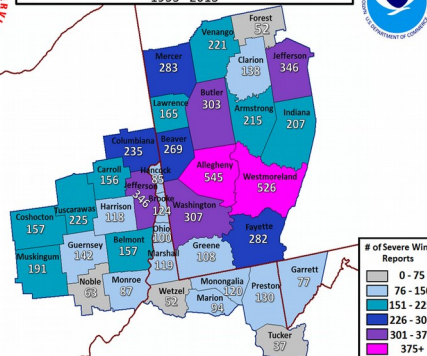
WFO Pittsburgh Severe Wind Reports
1955 - 2013



Wind Reports plot



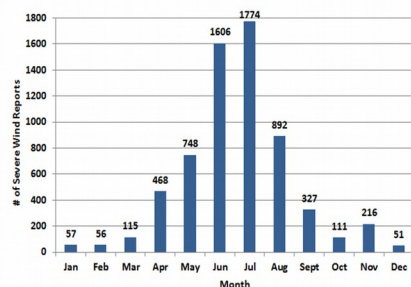
Severe Wind Reports County by County
1955 - 2013



Wind Reports per County



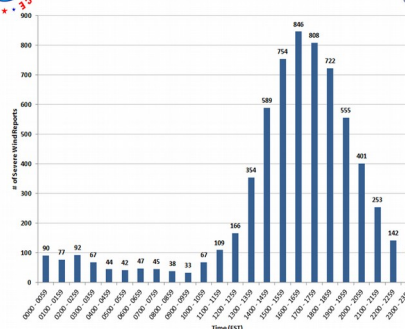
Severe Wind Frequency by Month
1955 - 2013



Wind Frequency by Month

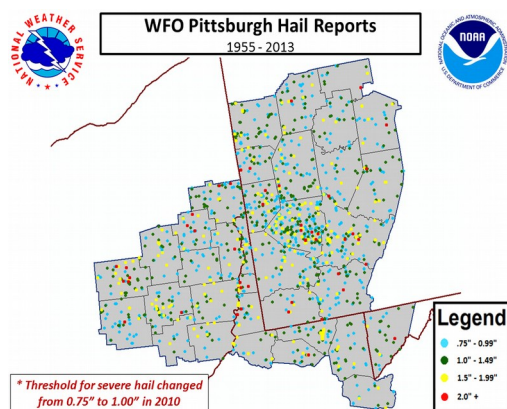


Severe Wind Report Frequency by Hour
1955 - 2013

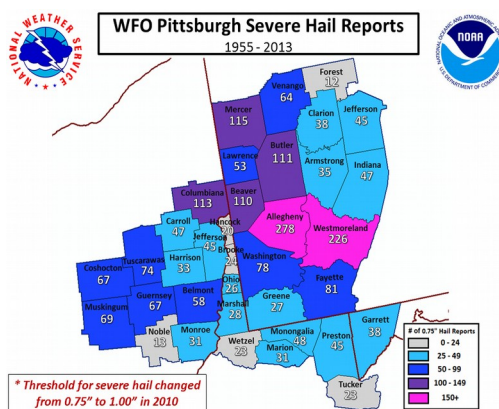


Wind Frequency by Hour

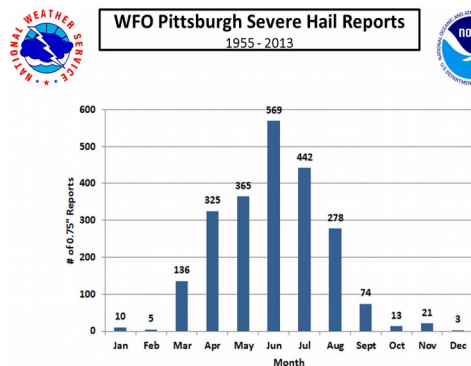
Hail



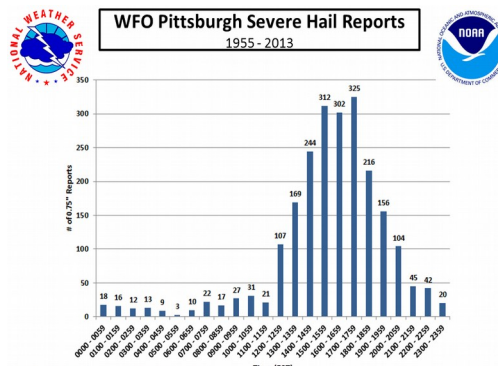
Hail Reports plot



Hail Reports per County



Hail Frequency by Month



Hail Frequency by Hour