

## Roseburg EF0 Tornado – June 18<sup>th</sup>, 2013

On Tuesday, June 18<sup>th</sup>, 2013 at 330 pm PDT an EF0 tornado with winds between 65 and 85 mph occurred 4 miles northwest of Roseburg in Douglas County, Oregon. This is the first documented tornado to occur in Douglas County based on the Storm Prediction Center's (SPC) database going back to 1950. The damage survey was performed by WCM Ryan Sandler and SH Spencer Higginson on Friday, June 21<sup>st</sup> (figure 1).

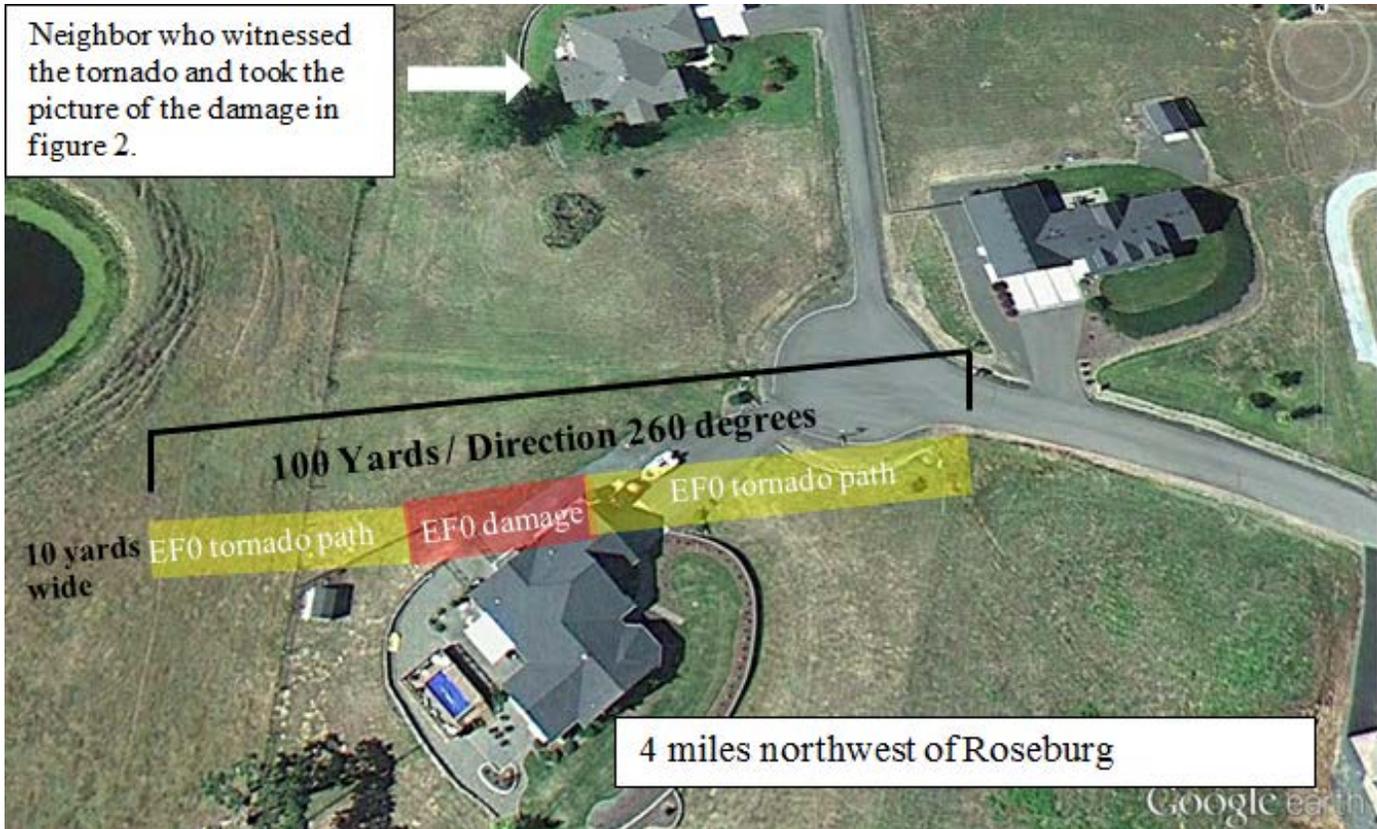


Figure 1

A neighbor witnessed the tornado for about 1 minute. She heard a very loud noise and looked out the window where she saw “*a funnel cloud on the ground*” whipping around very fast and blowing apart a carport canopy sheltering a boat. The carport canopy was held down by four-gallon sized buckets filled with water. These buckets went flying into the boat and fence. The boat received a gash, and the metal pipe fence rail was broken. A satellite dish on the roof was also turned 90 degrees. The tornado then moved into an empty field and dissipated. There was no damage to the house, but the Christmas lights were pulled down.



Figure 2

These storms were low-topped with little Convective Available Potential Energy (CAPE) and weak Storm Relative Helicity (SRH) (figure 3). The 0-3 km lapse rate was quite unstable at 9.2 degrees C per km. This region was covered in the SPC thunderstorm outlook issued at 1059 pm the preceding evening (figure 4), but was removed from the thunderstorm outlook area updated at 917 am on the 18<sup>th</sup> (figure 5). There was no tornado warning issued. The closest thunderstorms detected were 13 miles east of the tornado (figure 6). High temperatures were about 10 degrees below normal and it is likely that this was a cold air funnel that briefly touched down as a tornado.

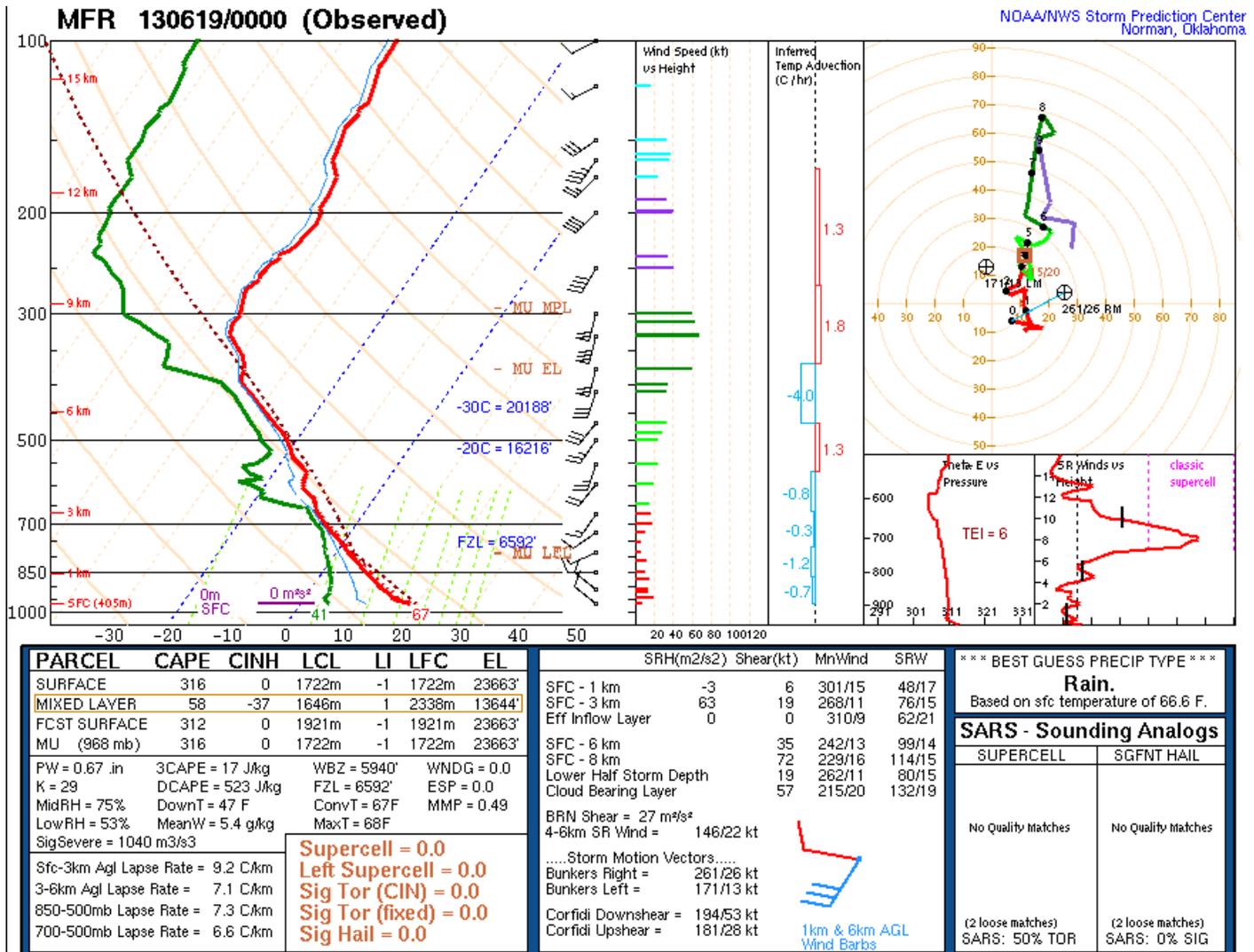


Figure 3

### Jun 18, 2013 0600 UTC Day 1 Convective Outlook

Updated: Tue Jun 18 06:03:40 UTC 2013

[Probabilistic to Categorical Outlook Conversion Table](#)

#### Categorical Graphic

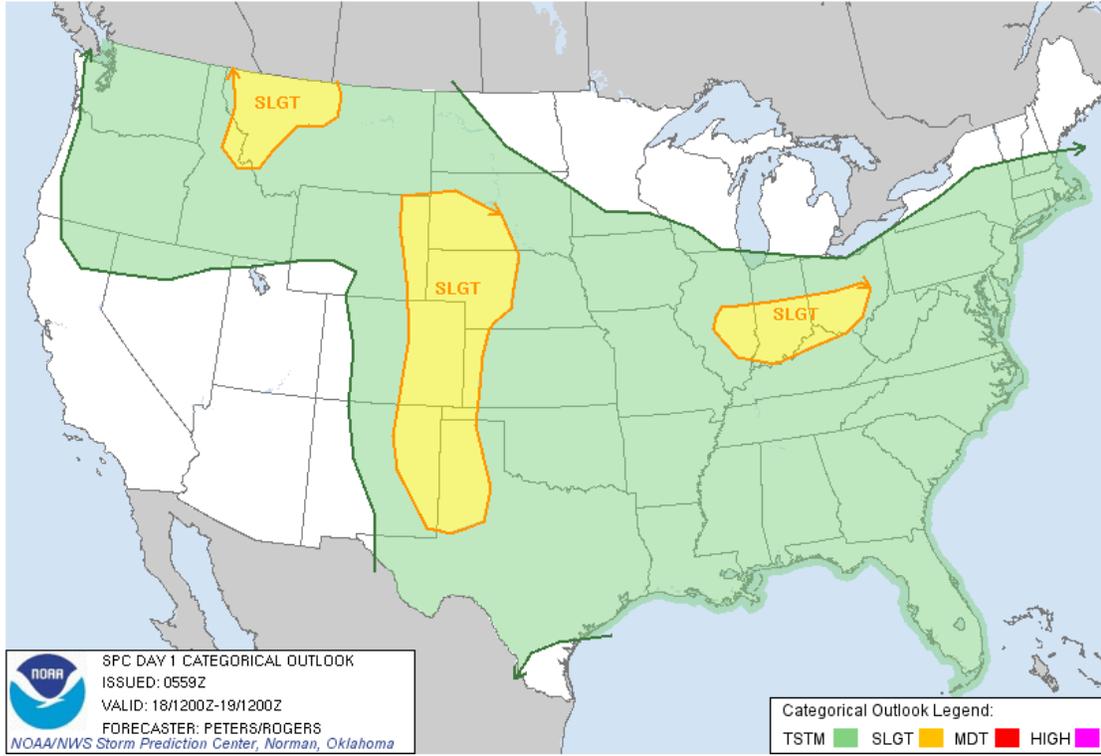


Figure 4

### Jun 18, 2013 1630 UTC Day 1 Convective Outlook

Updated: Tue Jun 18 16:20:35 UTC 2013

[Probabilistic to Categorical Outlook Conversion Table](#)

#### Categorical Graphic

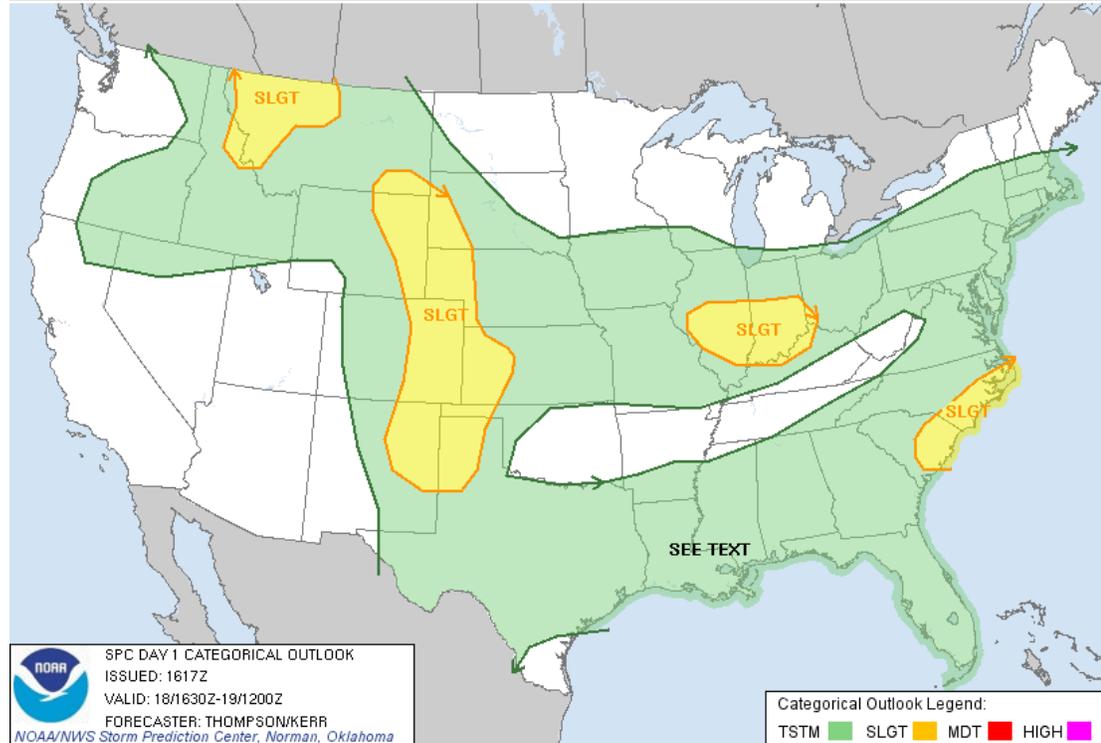


Figure 5

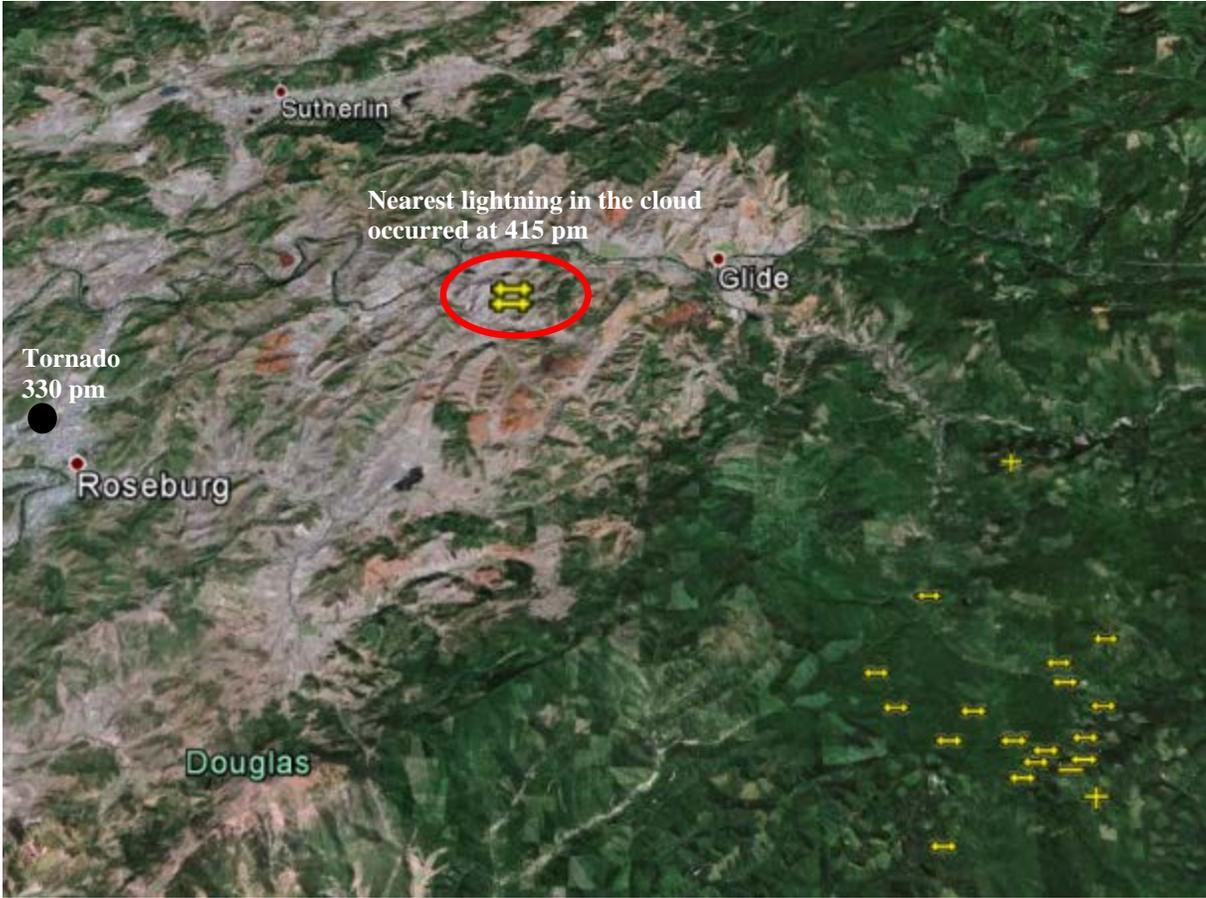


Figure 6