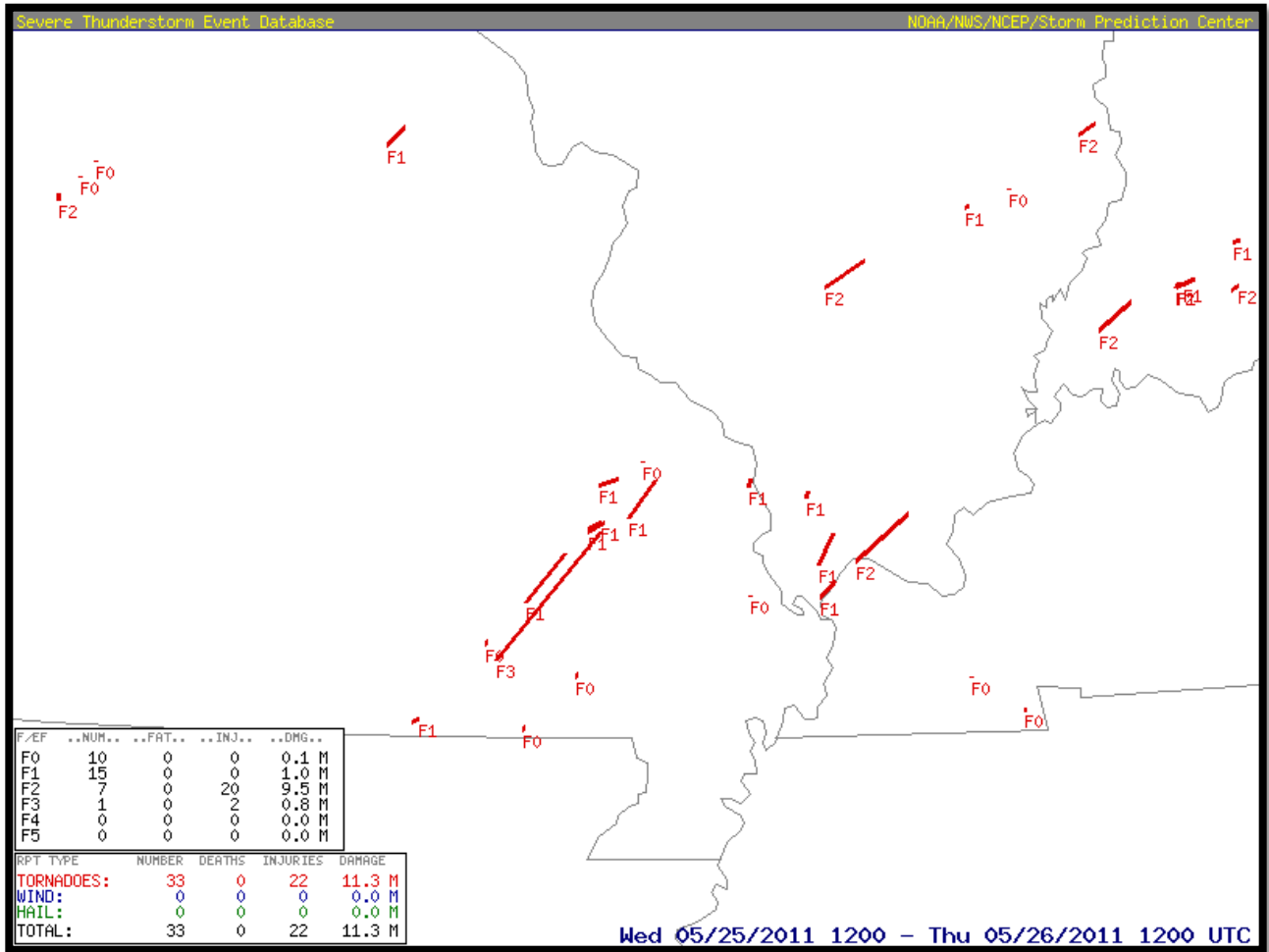


Severe Weather Outbreak

May 25th, 2011

Overview

A severe weather outbreak occurred the Midwest on May 25th, 2011. Numerous supercell thunderstorms developed and moved north-northeast across Missouri and Illinois during the afternoon and evening hours. Very large hail and damaging winds were reported, along with funnel clouds and a few tornadoes. Two EF-1 tornado tracks were surveyed from this event.



Damage Surveys

Montgomery City, Missouri EF-1 Tornado

The tornado touched down just east of Highway 19 on County Road 219. The tornado moved northeast to County Road 221, just south of County Road 226, where it struck a small farm causing extensive tree damage and minor damage to some of the outbuildings. It continued northeast to County Road 226, just east of County Road 221 where it affected another farmstead. At this location, a metal machine shed lost most of the roofing with some of the tin blown approximately one half mile to the north-northeast. Also, a grain bin was partially caved in and there was more significant tree damage. On the next road north, County Road 227, a metal machine shed had the eastern portion of the roof partially caved in. There was also minor tree damage. On Highway V, approximately 2 miles east of Highway 161, another farm sustained damage. Three outbuildings were destroyed and a full grown oak tree was snapped at the base. Metal roofing was tossed northeast at least one half mile with a couple pieces wrapped around high tension power lines to the north of Highway V. This was the most intense damage along the tornado path and was rated high end EF-1. The tornado continued northeast causing minor tree damage along County Road 153 and finally dissipated in an open field west of County Road 141 about two miles northwest of Bellflower, MO. The maximum width of the tornado was 100 yards and the path length was 7.1 miles.



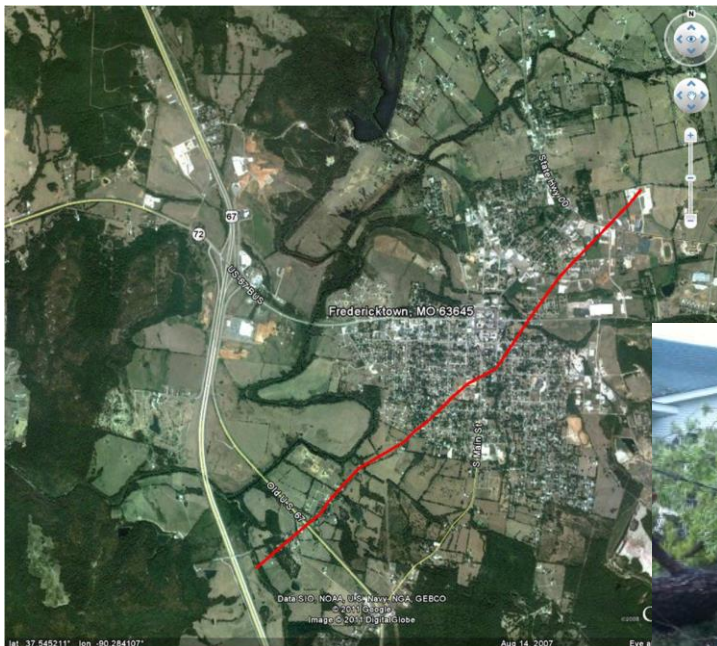
Damage Surveys

Fredericktown, Missouri EF-1 Tornado

Tornado damage was first noted to the southwest of Fredericktown near the intersection of County Roads 500 and 501 where large tree limbs were blown down. The tornado then crossed County Road 275 and either uprooted or snapped several cedar and oak trees as it moved northeast along County Road 201. The diameter of the tree trunks ranged from 2 to 3 feet. About 100 yards northeast of County Road 201, a machine shed composed of large cement bricks was severely damaged. Additional tree damage occurred north and northeast of the machine shed.. An older machine shed was damaged 100 yards southwest of the City of Fredericktown. A two-vehicle garage located across County Road 201 was completely destroyed. One vehicle in the garage was severely damaged.

Within the southwest city limits of Fredericktown medium to large branches (3 to 10 inches) in diameter were snapped by the tornado. There was damage to a fence at a tennis court and also at a baseball park. Additional tree damage was located just south of Main Street.

One-half mile northeast of the downtown area, medium size tree branches were downed in a residential area. Some of the large tree limbs damaged one home. Another nearby home lost over 60 percent of its roof covering. The tornado then struck a distributing company which transports Styrofoam blocks. The large blocks weighing around 300 pounds each were tossed 40 to 80 yards to the northeast. The total damage track was 5.5 miles, while damage width was between 30 to 40 yards. The damage intensity was rated EF1.



Hail Pictures



Softball size hail near Affton, Missouri. Photo courtesy of Fox-2.

Golfball size hail in Granite City, Illinois. Photo courtesy of Fox-2.



Baseball size hail on the "Hill" in the City of St. Louis. Photo courtesy of KMOV-4.

Baseball size hail near the intersection of Interstate 55 and Bayless in South St. Louis County. Photo courtesy of Fox-2.



Storm Pictures



Wall Cloud over downtown St. Louis. Photo courtesy of Fox-2.

Wall Cloud over Jefferson Barracks. Photo courtesy of Fox-2.



Wall Cloud over Arnold, Missouri. Photo courtesy of Fox-2.

Wall Cloud near I-270/255 and I-55 Interchange. Photo courtesy of Fox-2.



Please note that while the severe weather data presented in this event synopsis has been quality controlled, it is still considered unofficial. Official reports & statistics for severe weather events can be found in the **Storm Data** publication (<http://www.ncdc.noaa.gov/IPS/sd/sd.html>) or **Storm Events Database** (<http://www.ncdc.noaa.gov/stormevents/>), available from the National Centers for Environmental Information (NCEI) web page [formerly the National Climate Data Center (NCDC)].

More detailed tornado track information can be accessed using the National Weather Service Damage Assessment Toolkit for all tornadoes beginning in 2012. <https://apps.dat.noaa.gov/StormDamage/DamageViewer/>

Any questions regarding this event review should be address to w-lsx.webmaster@noaa.gov