

Tornado Tracking Student Sheet

Tornado # _____ Location: _____

As you watch the video, record your observations about the tornado. How does it form? How does it move? Did it encounter anything?



Describe the area that the tornado went through. What types of things were in its path? What happened if the tornado encountered something such as a building?

Questions:

- a. When did this tornado occur?
- b. Would the state that this tornado occurred in be in Tornado Alley or Dixie Alley?
- c. In the video, did you see the tornado cross the path of a house or building? If so, what do you see as the tornado hits it?
- d. What other types of weather were happening during the tornado?

From Activity - Labeled Tornado 1

May 2013 <https://www.ncei.noaa.gov/access/monitoring/monthly-report/tornadoes/201305>

A massive, deadly, and historic tornado outbreak impacted the Central and Southern Plains between May 18th–20th. The severe weather was associated with a cut-off low pressure system and strong cold front that moved from the Colorado Front Range into the Great Plains. Ahead of the front, warm, moist, and unstable conditions filtered into the region. The front provided the necessary wind shear in the lower atmosphere for the storms that did spawn to begin rotating, with several of these super cell thunderstorms producing devastating tornadoes. On the 18th, there were 16 preliminary tornado reports across Kansas and Nebraska. The most significant tornado on the 18th hit near Rozel, Kansas and was rated an [EF-4](#). The half-mile wide tornado was on the ground for seven miles, but caused only minor structural damage because it occurred in a mostly rural area. On the 19th, there were 29 preliminary tornado reports in six states from Oklahoma to Illinois. An [EF-2](#) tornado hit Harper County, Kansas, to the southwest of Wichita. At least 6 tornadoes were confirmed in central Oklahoma, where an [EF-4](#) hit near Shawnee, an [EF-3](#) hit near Luther, and an [EF-2](#) hit near Prague. The [EF-4](#) tornado caused at least two fatalities in Pottawatomie County, Oklahoma.

From Activity - Labeled Tornado 2

The Severe Weather Event of November 7-8, 2011

[Weather.gov](#) > [Norman, OK](#) > The Severe Weather Event of November 7-8, 2011

Norman, OK
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

Summary	Fast Facts	Timeline	Tornado Data	Storm Data	Rainfall	Radar	Satellite	Multimedia	Damage	Products
----------------	------------	----------	--------------	------------	----------	-------	-----------	------------	--------	----------

Summary

A powerful storm system moving through the southern Great Plains produced tornadoes, large hail, damaging winds and flooding across parts of Oklahoma and western north Texas on November 7-8, 2011.

The system initially produced numerous thunderstorms, heavy rainfall and flash flooding over parts of south central Oklahoma during the late evening of November 6th and early morning of November 7th. [Rainfall totals of 5-9 inches](#) were reported across parts of Jefferson, Carter and Murray counties.

The system then generated severe weather including tornadoes, large hail, damaging winds and flooding from the early afternoon of November 7th through the early morning of November 8th. Several supercell thunderstorms developed over southwest Oklahoma during the mid-afternoon hours and moved northeast. One particularly nasty supercell thunderstorm developed over northern Wilbarger county in north Texas. This thunderstorm moved northeast into Tillman county, eventually producing at least six tornadoes over a five county area. If you would like to view images of the November 7, 2011 tornadoes, go to the Storm Multimedia tab. A preliminary tornado track map is also available below.

Two of the tornadoes moved near two Oklahoma Mesonet sites, both taking direct hits. The Mesonet site at Tipton measured 86.4 mph before it was destroyed. The Mesonet site near Fort Cobb measured 91.4 mph before it was destroyed. Both sites also recorded significant drops in surface pressure. You can see the recorded data (before malfunctioning) at [Tipton](#) and [Fort Cobb](#), courtesy of the [Oklahoma Mesonet](#).

Other supercells over southwest Oklahoma eventually congealed into a complex of storms and moved east into central Oklahoma. Numerous reports of high winds (92 mph near Clinton, OK) and hail up to golf ball-size were reported. The [Storm Prediction Center](#) has put together a web site that lets you look at the weather setup before and during the event (*i.e.* upper-level wind data, skew T / log P diagrams, etc.). You can view that data by going to the [SPC November 7, 2011 severe weather event review web page](#).

From Activity - Labeled Tornado 3

June 16th Tornado near Poynette

[Weather.gov](#) > [Milwaukee/Sullivan, WI](#) > June 16th Tornado near Poynette

Milwaukee/Sullivan, WI

Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

Hot and unstable air over south central Wisconsin interacted with a slow-moving boundary to cause a long-lived cluster of severe thunderstorms over Columbia County during the afternoon of June 16th, mostly between 330 pm and 630 pm CDT. Trees were blown down in the Portage, Poynette and Rio areas. Also, large hail was reported, with hail as large as golf balls near Poynette.

Around 5 pm, a weak low level circulation developed in one of the thunderstorms that eventually produced a weak tornado about 4 miles northeast of Poynette near the intersection of Highway B and Dunning Road.

- [Tornado](#)
- [Radar / Rainfall](#)
- [Storm Reports](#)

Tornadoes:

Tornado - LOCATION
COUNTY NAME

Date	6/16/2018
Time (Local)	5:20-5:22 PM CDT
EF Rating	0
Est. Peak Winds	65 mph
Path Length	0.1 miles
Max Width	50 yards
Injuries/Deaths	0

Summary:

The tornado likely formed just to the southeast of the intersection of County Rd B and Dunning Rd around 5:20 PM. The tornado was nearly stationary and dissipated about 2 minutes later. No significant damage was noted.

Track Map





From Activity - Labeled Tornado 4

Fulton, Peoria and Sangamon County Tornadoes of March 15, 2016

Weather.gov > Central Illinois > Fulton, Peoria and Sangamon County Tornadoes of March 15, 2016

Central Illinois
Weather Forecast Office

Tornado #2: 2 miles northwest of Trivoli to 2.7 miles southwest of Kickapoo PEORIA COUNTY

Date	03/15/2016
Time (Local)	7:42 pm to 7:57 pm
EF Rating	EF-2
Est. Peak Winds	125 mph
Path Length	7.1 miles
Max Width	1/4 mile
Injuries/Deaths	None

Summary:

The tornado touched down 2.0 miles northwest of Trivoli, roughly one-quarter mile west of Quarry Road. A garage and house roofs were damaged, a car was picked up and thrown 50 yards into a field, a pickup truck was damaged and several trees were snapped. As the tornado approached Trivoli Road it developed multiple vortices and then widened to about 1/4 mile across. Several outbuildings and grain bins were destroyed, house roofs were damaged and numerous trees were uprooted. Near Texas Road & Cottonwood Road the roof of a church was severely damaged and several trees were snapped. As the tornado continued tracking to the northeast, additional trees and outbuildings were damaged. The worst damage occurred to a home on Southport Road (Route 8) between Cut-off Road and Kramm Road, where the roof was completely torn off of the house, outbuildings were damaged and a tree was ripped out of the ground and thrown. The tornado dissipated about 1 mile to the east-northeast, near Kickapoo Creek, which was about 3 miles southwest of the town of Kickapoo.

Track Map



EF0 EF1 EF2 EF3 EF4 EF5 TSTM UKN

[Downloadable KMZ File](#)

<https://www.weather.gov/ilx/15mar2016-tornado>

All images come from this site as well.





From Activity- Labeled Tornado 5

April 29th 2022 Tornadoes - including the Andover Tornado

[Weather.gov](#) > [Wichita, Kansas](#) > April 29th 2022 Tornadoes - including the Andover Tornado

Wichita, Kansas
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

Overview

A powerful low pressure system approached Kansas on Friday April 29th allowing a sharp dryline to track to generally along Interstate 135. Storms first developed across central and northeast Kansas near the warm front, but as the early evening hours continued, a couple storms fired just east of Wichita. One of these storms produced a strong tornado across the east side of Andover, causing extensive damage. This tornado was eventually rated an EF-3. This same storm produced numerous additional tornadoes as it tracked east.

Tornadoes Photos & Video Radar Storm Reports Environment Additional



Picture by Mike Umscheid (@mikeumsc)

Preliminary info for Andover Tornado
Butler/Sedgwick County

Date	4/29/2022
Time (Local)	8:10pm - 8:31pm
EF Rating	EF-3
Est. Peak Winds	155 mph
Path Length	12.75 miles
Max Width	440 yards
Injuries/Deaths	3 injuries directly related to tornado. Zero deaths.
Summary:	Two of the injuries were in Sedgwick County and 1 was in Butler County. The full Public Information Statement can be found here .

Track Map



EF0 EF1 EF2 EF3 EF4 EF5 TSTM UKN





Tornado Research Guide



Which tornado are you researching?

When and where did this tornado hit?

Using online materials, describe what damage was done by this tornado.



What other weather was occurring at the same time this tornado occurred?



When you met with your peer scientists, what type of information was different? Why would some types of information be different?

