Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

ARKANSAS, Northwest

(AR-Z001) BENTON, (AR-Z002) CARROLL, (AR-Z010) WASHINGTON, (AR-Z011) MADISON, (AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

	01/01/13 00:00 CST	0	Drought
	01/31/13 23:59 CST	0	

Several storm systems brought generally light precipitation to northwestern Arkansas during early to mid January 2013. Toward month's end, a strong storm system moved across the region producing one to four inches of rain as widespread showers and thunderstorms tracked across the area. As a result of this rain event on the 29th, portions of northwestern Arkansas ended up receiving 125 to 150 percent of normal monthly precipitation while other portions received below normal precipitation. Due to the persistent dry pattern the area had experienced for much of 2012, the rainfall during January 2013 generally resulted in only a very slight improvement in the overall drought conditions over northwestern Arkansas. The entire area remained in severe drought (D2) to extreme drought (D3) conditions throughout the month. Monetary damage estimates resulting from the drought were not available.

CRAWFORD COUNTY --- 3.9 NNW UNIONTOWN [35.63, -94.47], 3.0 NW LEECREEK [35.70, -94.39]

	01/29/13 14:57 CST	20K	Tornado (EF2, L: 6.60 mi , W: 700 yd)
	01/29/13 15:04 CST	0	Source: NWS Storm Survey

This is the second of two segments of this tornado. The tornado moved into Crawford County, Arkansas, tearing a path through the woods of more than 1/3 of a mile wide. Numerous hardwood and softwood trees were snapped or uprooted. The most pronounced tree damage was on Rainwater Road northwest of Uniontown. Power poles were snapped and a home had minor damage. Based on this damage, maximum estimated wind in the tornado was 115 to 125 mph.

WASHINGTON COUNTY --- 0.9 WSW HARRIS [36.02, -94.06], 2.0 S GOSHEN [36.07, -94.00]

	01/29/13 15:34 CST	0.50M	Tornado (EF1, L: 4.20 mi , W: 400 yd)
	01/29/13 15:39 CST	0	Source: NWS Storm Survey

A tornado damaged 40 to 50 homes, destroyed barns and outbuildings, destroyed chicken houses, and snapped or uprooted numerous trees. The most significant damage to permanent homes was structural damage to several roofs. Based on this damage, the maximum estimated wind in the tornado was 100 to 110 mph.

MADISON COUNTY --- 2.2 WNW ROCKHOUSE [36.30, -93.70], 1.6 NNE ROCKHOUSE [36.30, -93.66]

	01/29/13 15:57 CST	0.25M	Tornado (EF1, L: 2.00 mi , W: 350 yd)
	01/29/13 15:59 CST	0	Source: NWS Storm Survey

A tornado destroyed several barns and outbuildings, damaged a couple homes, and snapped or uprooted numerous trees, and blew down power poles. Several cows were killed by flying debris at a farm where several barns were destroyed. Based on this damage, maximum estimated wind in the tornado was 105 to 115 mph.

CARROLL COUNTY --- 5.0 SW BERRYVILLE [36.32, -93.63]

	01/29/13 16:01 CST	5K	Thunderstorm Wind (EG 56 kt)
	01/29/13 16:01 CST	0	Source: Emergency Manager

Strong thunderstorm wind damaged the roof of a home.

CARROLL COUNTY --- 7.0 NW GREEN FOREST [36.39, -93.54]

	01/29/13 16:11 CST	10K	Thunderstorm Wind (EG 56 kt)
	01/29/13 16:11 CST	0	Source: Emergency Manager

Strong thunderstorm wind blew down large tree limbs and power lines and damaged the roofs of three chicken houses.

CRAWFORD COUNTY --- MULBERRY [35.50, -94.05]

	01/29/13 16:31 CST	5K	Thunderstorm Wind (EG 56 kt)
	01/29/13 16:31 CST	0	Source: Emergency Manager

Strong thunderstorm wind blew down large tree limbs and power lines.

FRANKLIN COUNTY --- 4.0 N OZARK [35.56, -93.83]

	01/29/13 17:00 CST	0	Thunderstorm Wind (EG 52 kt)
	01/29/13 17:00 CST	0	Source: Emergency Manager

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

Strong thunderstorm wind blew down large tree limbs.

FRANKLIN COUNTY --- 5.0 W OZARK [35.50, -93.92]

01/29/13 17:03 CST		0	Thunderstorm Wind (EG 56 kt)
01/29/13 17:03 CST		0	Source: Emergency Manager

Strong thunderstorm wind shifted a mobile home from its foundation.

Severe thunderstorms developed over eastern Oklahoma during the morning hours ahead of a strong cold front that was moving across the region. These storms moved into western Arkansas during the afternoon hours. Unseasonably warm and moist air was in place ahead of the front and very strong wind shear was present, allowing storms to become long-lived and organized. Damaging wind and three tornadoes resulted from these storms.

OKLAHOMA, Eastern

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (OK-Z057) CRAIG, (OK-Z058) OTTAWA, (OK-Z059) PAWNEE, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES, (OK-Z063) DELAWARE, (OK-Z064) CREEK, (OK-Z065) OKFUSKEE, (OK-Z066) OKMULGEE, (OK-Z067) WAGONER, (OK-Z068) CHEROKEE, (OK-Z069) ADAIR, (OK-Z070) MUSKOGEE, (OK-Z071) MCINTOSH, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE

01/01/13 00:00 CST		0	Drought
01/31/13 23:59 CST		0	

Several storm systems brought generally light precipitation to eastern Oklahoma during early to mid January 2013. Toward month's end, a strong storm system moved across the region producing one half to more than three inches of rain as widespread showers and thunderstorms tracked across the area. As a result of this rain event on the 29th, portions of northeastern Oklahoma ended up receiving near normal to well above normal monthly precipitation while much of southeastern Oklahoma received well below normal precipitation. Due to the persistent dry pattern the area had experienced for much of 2012, the rainfall during January 2013 generally resulted in only a very slight improvement in the overall drought conditions over eastern Oklahoma. Much of the region remained in extreme drought (D3) conditions during the month while Osage, Pawnee, Washington, Creek, and Nowata Counties remained in exceptional drought (D4) conditions. Monetary damage estimates resulting from the drought were not available.

WASHINGTON COUNTY --- 2.5 ENE COPAN [36.91, -95.89]

01/29/13 08:30 CST		0	Thunderstorm Wind (MG 61 kt)
01/29/13 08:30 CST		0	Source: Mesonet

The Oklahoma Mesonet station near Copan measured 70 mph thunderstorm wind gusts.

SEQUOYAH COUNTY --- 2.0 ESE NICUT [35.57, -94.54]

01/29/13 14:53 CST		2K	Thunderstorm Wind (EG 74 kt)
01/29/13 14:53 CST		0	Source: NWS Storm Survey

Several large hardwood trees were uprooted by inflow wind into a developing tornado and/or rear flank downdraft wind. Large limbs were also blown down and at least one power pole was downed by the wind.

SEQUOYAH COUNTY --- 2.6 NNW SHORT [35.60, -94.50], 4.4 N SHORT [35.63, -94.47]

01/29/13 14:55 CST		0	Tornado (EF1, L: 2.40 mi , W: 400 yd)
01/29/13 14:57 CST		0	Source: NWS Storm Survey

This is the first segment of a two-segment tornado. This tornado developed in rural, northeastern Sequoyah County, Oklahoma. It snapped or uprooted numerous trees as it moved rapidly northeast. Based on this tree damage, maximum estimated wind in the tornado was 100 to 110 mph. The tornado continued into Crawford County, Arkansas.

Severe thunderstorms developed over eastern Oklahoma ahead of a strong cold front that was moving across the region during the morning hours of the 29th. Unseasonably warm and moist air was in place ahead of the front and very strong wind shear was present, allowing storms to become long-lived and organized. Damaging wind and a tornado resulted from these storms.