

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OKLAHOMA, Western, Central and Southeast				
(OK-Z004) HARPER, (OK-Z005) WOODS, (OK-Z006) ALFALFA, (OK-Z007) GRANT, (OK-Z008) KAY, (OK-Z009) ELLIS, (OK-Z010) WOODWARD, (OK-Z011) MAJOR, (OK-Z012) GARFIELD, (OK-Z013) NOBLE, (OK-Z014) ROGER MILLS, (OK-Z015) DEWEY, (OK-Z016) CUSTER, (OK-Z017) BLAINE, (OK-Z018) KINGFISHER, (OK-Z019) LOGAN, (OK-Z020) PAYNE, (OK-Z021) BECKHAM, (OK-Z022) WASHITA, (OK-Z023) CADDO, (OK-Z024) CANADIAN, (OK-Z027) GRADY, (OK-Z033) HARMON, (OK-Z034) GREER, (OK-Z035) KIOWA, (OK-Z036) JACKSON, (OK-Z037) TILLMAN, (OK-Z038) COMANCHE, (OK-Z039) STEPHENS, (OK-Z044) COTTON, (OK-Z045) JEFFERSON				
	02/01/12 00:00 CST		0	Drought
	02/29/12 23:59 CST		0	
<p>The drought status changed little through the month. An early February snow blanketed a large part of Oklahoma, which provided a nice slow soaking into the soil. Parts of northwest Oklahoma improved its drought status as a result of the increased precipitation. Parts of southwest Oklahoma remained parched, with some lake levels running about 3/4 of capacity. Also, high winds that brought in very dry surface relative humidity dried out some of the near surface moisture, which caused a few wildfires to break out.</p>				
PONTOTOC COUNTY --- 5.0 NNW ADA [34.84, -96.71]				
	02/01/12 08:26 CST		0	Hail (1.00 in)
	02/01/12 08:26 CST		0	Source: Emergency Manager
<p>A thunderstorm produced marginally severe hail on the 1st.</p>				
WOODS COUNTY --- 1.0 N FREEDOM [36.78, -99.11]				
	02/02/12 21:42 CST		0	Hail (1.50 in)
	02/02/12 21:42 CST		0	Source: Fire Department/Rescue
WOODS COUNTY --- 8.0 NW ALVA [36.88, -98.77]				
	02/02/12 22:15 CST		0	Hail (1.25 in)
	02/02/12 22:15 CST		0	Source: Public
WOODS COUNTY --- 7.0 SSW ALVA [36.71, -98.72]				
	02/03/12 00:50 CST		0	Thunderstorm Wind (MG 52 kt)
	02/03/12 00:50 CST		0	Source: Mesonet
WOODS COUNTY --- 4.0 SE ALVA [36.76, -98.62]				
	02/03/12 01:00 CST		0	Thunderstorm Wind (EG 56 kt)
	02/03/12 01:00 CST		0	Source: Public
<p>Small hail was also reported with the wind gust.</p> <p>Scattered severe thunderstorms with heavy high, high winds, and large hail occurred over Woods county.</p>				
JEFFERSON COUNTY --- 1.0 S ADDINGTON [34.23, -97.97]				
	02/03/12 15:45 CST		0	Hail (1.00 in)
	02/03/12 15:45 CST		0	Source: Trained Spotter
<p>The hail was reported on Highway 81.</p>				
JEFFERSON COUNTY --- WAURIKA [34.17, -98.00]				
	02/03/12 15:54 CST		0	Hail (1.00 in)
	02/03/12 15:54 CST		0	Source: Amateur Radio
SEMINOLE COUNTY --- SEMINOLE [35.23, -96.68]				
	02/03/12 17:10 CST		0	Hail (1.75 in)
	02/03/12 17:10 CST		0	Source: Law Enforcement
LOVE COUNTY --- THACKERVILLE [33.79, -97.14]				
	02/03/12 17:52 CST		0	Hail (1.00 in)
	02/03/12 17:52 CST		0	Source: Public

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The hail was reported on Highway 77 in town.

MARSHALL COUNTY --- WILLIS [33.89, -96.83]

	02/03/12 18:25 CST		0	Hail (1.00 in)
	02/03/12 18:25 CST		0	Source: Public

Scattered severe thunderstorms occurred over parts of southeast Oklahoma on the 3rd.

(OK-Z009) ELLIS, (OK-Z010) WOODWARD, (OK-Z033) HARMON, (OK-Z035) KIOWA

	02/20/12 14:00 CST		0	High Wind (MAX 52 kt)
	02/20/12 17:15 CST		0	

A vigorous storm system moved over the central and southern Plains during the day, with a pacific cold front moving from west to east over Oklahoma. Very strong winds just off the surface were able to mix down with late morning and afternoon heating. Winds gusted over 50 mph at times, with sustained winds of at least 30 mph. No damage was reported with the wind.

GARFIELD COUNTY --- NORTH ENID [36.44, -97.87]

	02/20/12 15:20 CST		0	Hail (1.75 in)
	02/20/12 15:20 CST		0	Source: Broadcast Media

Up to golf-ball size hail was relayed from KWTV-9.

KINGFISHER COUNTY --- 1.0 W KINGFISHER [35.86, -97.95]

	02/20/12 15:30 CST		0	Thunderstorm Wind (MG 53 kt)
	02/20/12 15:30 CST		0	Source: Mesonet

OKLAHOMA COUNTY --- 4.0 W OKLAHOMA CITY [35.47, -97.58]

	02/20/12 15:45 CST		0	Thunderstorm Wind (MG 60 kt)
	02/20/12 15:45 CST		0	Source: Mesonet

OKLAHOMA COUNTY --- 3.0 SE EDMOND [35.62, -97.44]

	02/20/12 15:53 CST		0	Thunderstorm Wind (EG 61 kt)
	02/20/12 15:53 CST		0	Source: Broadcast Media

Local broadcast media and newspaper outlets reported damage from a thunderstorm that moved over southern Edmond. Four power poles were downed and four other poles were damaged at the Edmond Hyundai automobile dealership. The downed poles resulted in at least 8 vehicles being damaged.

OKLAHOMA COUNTY --- OKLAHOMA CITY [35.47, -97.51]

	02/20/12 15:57 CST		0	Thunderstorm Wind (EG 52 kt)
	02/20/12 15:57 CST		0	Source: Broadcast Media

Local broadcast media and newspaper outlets reported minor wind damage at the Devon Tower in downtown Oklahoma City. A 5 foot by 10 foot piece of glass was broken on the northeast side of the building when the strong winds blew a crane into it.

KAY COUNTY --- BRAMAN [36.92, -97.33]

	02/20/12 15:59 CST		0	Thunderstorm Wind (MG 55 kt)
	02/20/12 15:59 CST		0	Source: COOP Observer

The strong wind caused structural damage to an abandoned building.

KAY COUNTY --- 2.0 W TONKAWA [36.68, -97.35]

	02/20/12 16:01 CST		0	Hail (0.88 in)
	02/20/12 16:01 CST		0	Source: Trained Spotter

The hail report was relayed via Twitter.

OKLAHOMA COUNTY --- 3.0 ENE OKLAHOMA CITY [35.49, -97.46]

	02/20/12 16:03 CST		0	Hail (0.75 in)
	02/20/12 16:03 CST		0	Source: Broadcast Media

The hail was reported by KOCO-5 near NE 23rd Street and I-35.

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KAY COUNTY --- 1.0 E PONCA CITY [36.70, -97.06]				
	02/20/12 16:17 CST		0	Hail (0.88 in)
	02/20/12 16:17 CST		0	Source: Trained Spotter
NOBLE COUNTY --- 7.0 SSE RED ROCK [36.37, -97.13]				
	02/20/12 16:25 CST		0	Thunderstorm Wind (MG 56 kt)
	02/20/12 16:25 CST		0	Source: Mesonet
PONTOTOC COUNTY --- 5.0 E ADA [34.77, -96.59]				
	02/20/12 17:30 CST	1	0	Thunderstorm Wind (EG 78 kt)
	02/20/12 17:30 CST	1	0	Source: NWS Storm Survey

Information provided by a NWS Storm Survey team and local radar confirmed that a strong microburst occurred near the Happyland community. A strapped down, double-wide was destroyed by the intense winds, with debris scattered 100 to 150 yards. Unfortunately, two people were inside the mobile home when it was destroyed.

Direct Fatalities: F51MH

A potent, quick-moving storm system affected Oklahoma during the afternoon of the 22nd, with strong winds, small hail, and brief heavy rainfall. South winds that had developed over the southern plains tried to bring moisture northward, but quality moisture was lacking, which kept the severe thunderstorm potential more of a marginal threat. A pacific cold front began advancing east through Oklahoma during the late morning hours, with thunderstorms developing over parts of west-central Oklahoma by early afternoon. The thunderstorms were quick moving, and had moved near the I-35 corridor by 3 to 4 pm. Sporadic marginally severe hail was reported, although most locations received much small hail. The main concern with the thunderstorms was the wind. Winds ahead of the front were already gusting over 30 mph. Just off the surface, much higher wind speeds were present. At times, some of the stronger winds would come down to the surface. Strong winds caused isolated areas of damage, with one area near Edmond, Oklahoma, and the other east of Ada, Oklahoma. The non-tornadic winds east of Ada approached 100 mph, causing substantial damage to a double-wide trailer. The damage was local however, with very little damage in the surrounding areas. The storms moved into eastern Oklahoma by the early evening hours.

(OK-Z010) WOODWARD				
	02/28/12 18:35 CST		0	High Wind (MAX 58 kt)
	02/28/12 18:35 CST		0	
ALFALFA COUNTY --- 1.0 SSW CHEROKEE [36.74, -98.36]				
	02/28/12 19:45 CST		0	Thunderstorm Wind (MG 55 kt)
	02/28/12 19:45 CST		0	Source: Mesonet
KAY COUNTY --- BRAMAN [36.92, -97.33]				
	02/28/12 20:45 CST		0	Hail (1.00 in)
	02/28/12 20:45 CST		0	Source: COOP Observer
KAY COUNTY --- BRAMAN [36.92, -97.33]				
	02/28/12 20:45 CST		0	Thunderstorm Wind (EG 61 kt)
	02/28/12 20:45 CST		0	Source: COOP Observer

Quarter-size hail was also reported.

Severe thunderstorms produced severe wind gusts on the 28th.

TEXAS, Western North

(TX-Z083) HARDEMAN, (TX-Z084) FOARD, (TX-Z085) WILBARGER, (TX-Z086) WICHITA, (TX-Z087) KNOX, (TX-Z088) BAYLOR, (TX-Z089) ARCHER, (TX-Z090) CLAY				
	02/01/12 00:00 CST		0	Drought
	02/29/12 23:59 CST		0	

Although a few rainfall events occurred over western north Texas, it wasn't enough to affect the ongoing D4 drought. The early month

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cold start put a halt on the early season green-up, although a return to spring-like temperatures occurred during the latter half of the month, which allowed for the early season growth to continue. Strong winds during the latter half of the month may have done more harm than good, by drying out some of the recent near soil moisture. This resulted in a few wildfires.

ARCHER COUNTY --- 7.0 S WINDTHORST [33.48, -98.44]

02/03/12 13:45 CST	0	Hail (1.25 in)
02/03/12 13:45 CST	0	Source: Public

CLAY COUNTY --- VASHTI [33.56, -98.04]

02/03/12 15:15 CST	0	Hail (1.00 in)
02/03/12 15:15 CST	0	Source: Amateur Radio

Isolated severe thunderstorms occurred over parts of north Texas on the 3rd.