

Storm Data and Unusual Weather Phenomena - February 2011

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

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

02/01/11 00:00 CST	0	Winter Storm
02/01/11 18:00 CST	0	

A very strong storm system moved across the Southern Rockies into the Southern Plains on the 31st of January and 1st of February. Cold air had surged into the region ahead of this system on the 30th and 31st. Precipitation developed into northwestern Arkansas during the early morning hours of the 1st, beginning as freezing rain and sleet. Most places transitioned to snow fairly quickly although some locations in northwestern Arkansas received between one quarter and one half inch of sleet before the transition. Other locations received about one quarter of an inch of ice before changing over to snow. Heavy snow fell during most of the day resulting in more than four inch accumulations west of a Berryville to Van Buren line. Much of Benton County and portions of Carroll County received nearly a foot of snow.

Strong winds frequently gusting to more than 30 mph resulted in very low visibilities and drifting snow. The storm had a crippling impact on the region with interstate highways impassable and closed and many businesses shut down for a couple days during and following the storm. The storm's effects on the area lasted days. Hundreds of traffic accidents occurred during this storm and numerous vehicles were stranded in the snow.

(AR-Z001) BENTON, (AR-Z010) WASHINGTON, (AR-Z011) MADISON

02/04/11 10:00 CST	0	Winter Storm
02/05/11 01:00 CST	0	

A strong upper level disturbance moved from southwest Texas to northern Texas into northern Arkansas on the 4th. Snow developed into the area during the morning hours and continued into the evening hours. Some of this snow was moderate to heavy and resulted in bands of locally heavy accumulations of up to five inches across northwestern Arkansas.

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

02/08/11 20:00 CST	0	Winter Storm
02/09/11 13:30 CST	0	

A strong upper level disturbance moved from the northwestern United States southeastward into the Southern Plains on the 8th and 9th. Snow developed across the region during the evening hours of the 8th and continued through the 9th. Widespread light to moderate snow fell across northwestern and west-central Arkansas and bands of very heavy snow developed.

Much of northwestern Arkansas received more than a foot of snow while portions of Benton, Washington, and Madison Counties picked up about two feet of snow. Many roads were impassable as blowing and drifting snow resulted in two to four foot snow drifts. Two elderly people died from heart attacks while shoveling snow.

WASHINGTON COUNTY --- 1.5 WSW (FYV)FAYETTEVILLE AR [35.99, -94.20]

02/27/11 23:20 CST	0	Thunderstorm Wind (EG 61 kt)
02/27/11 23:20 CST	0	Source: Broadcast Media

The media reported strong thunderstorm wind gusts of 70 mph on I-540 near the Greenland exit. Large tree limbs were snapped by the wind.

FRANKLIN COUNTY --- 0.5 N WEBB CITY [35.49, -93.83]

02/28/11 00:20 CST	0	Hail (0.88 in)
02/28/11 00:20 CST	0	Source: Public

The combination of a pacific cold front and dry line moving through the region with moist and unstable air in place ahead of them resulted in the development of severe thunderstorms during the late evening of the 27th.

OKLAHOMA, Eastern

(OK-Z049) PUSHMATAHA, (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

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/01/11 00:00 CST		0	Winter Storm
	02/01/11 18:00 CST		0	

(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

02/01/11 00:00 CST	30.20M	Blizzard
02/01/11 18:00 CST	0	

A very strong storm system moved across the Southern Rockies into the Southern Plains on the 31st of January and 1st of February. Cold air had surged into the region ahead of this system on the 30th and 31st. Precipitation developed into eastern Oklahoma during the evening of the 31st, beginning as freezing rain and sleet. Most places transitioned to snow fairly quickly although some locations in northeastern Oklahoma and east-central Oklahoma received between one quarter and one half inch of sleet before the transition. Other locations received about one quarter of an inch of ice before changing over to snow. Heavy snow fell during most of the day resulting in more than four inch accumulations north of a Sallisaw to McAlester line. A large portion of northeastern Oklahoma received more than ten inches of snow and a swath of 20 inch snows were measured across Osage, northern Tulsa, Rogers, and Ottawa Counties.

Strong winds frequently gusting to more than 35 mph resulted in near zero visibilities and snow drifts up to about five feet across northeastern Oklahoma. The storm had a crippling impact on the region with interstate highways impassable and closed, the Tulsa International Airport closed, and many businesses shut down for a couple days during and following the storm.

A couple schools experienced collapsed roofs from the weight of the snow as did a casino in the Tulsa area. Boat docks on Grand Lake were destroyed by the weight of the snow, damaging or destroying a number of boats. Damage estimates for that area alone were at \$30 million.

The storm's effects on the area lasted days. Hundreds of traffic accidents occurred and numerous vehicles were stranded in the snow. The most notable accident occurred in Ottawa County on February 3rd, the day I-44 was reopened, when an SUV slid on a bridge near Miami, tumbled over the guard rail, and fell over 100 feet into the river below. Three indirect fatalities occurred in this accident along with five indirect injuries.

This storm resulted in a disaster declaration.

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z062) MAYES, (OK-Z063) DELAWARE, (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

02/04/11 04:00 CST	0	Winter Storm
02/05/11 01:00 CST	0	

A strong upper level disturbance moved from southwest Texas to northern Texas into northern Arkansas on the 4th. Snow developed into the area during the morning hours and continued into the evening hours. Some of this snow was moderate to heavy and resulted in bands of locally heavy accumulations of up to five inches across eastern Oklahoma.

(OK-Z049) PUSHMATAHA, (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

02/08/11 20:00 CST	1	0	Winter Storm
02/09/11 13:30 CST		0	

Direct Fatalities: M56VE

A strong upper level disturbance moved from the northwestern United States southeastward into the Southern Plains on the 8th and 9th. Snow developed across the region during the evening hours of the 8th and continued through the 9th. Widespread light to moderate snow fell across eastern Oklahoma and bands of very heavy snow developed.

Much of northeastern Oklahoma received more than a foot of snow while portions of far northeastern Oklahoma picked up about two feet of snow. The NWS Cooperative Observer measured 27 inches of snow in about nineteen hours from this storm. This measurement breaks the state 24-hour snowfall record. Many roads were impassable as blowing and drifting snow resulted in two to four foot snow drifts.

Record cold followed this storm with temperatures falling well below zero degrees Fahrenheit on the morning of the 10th. The Oklahoma Mesonet station near Nowata measured -31 degrees Fahrenheit, a reading that breaks the all-time state minimum temperature record. A 56-year-old died of hypothermia near Beggs in Okmulgee County when his vehicle became stranded in a snow

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bank on a rural road.				
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MUSKOGEE COUNTY --- 1.0 N PORUM [35.38, -95.27]	02/24/11 12:17 CST	0		Hail (1.00 in)
	02/24/11 12:17 CST	0		Source: Storm Chaser
A quasi-stationary frontal boundary extended across southeast Oklahoma into west-central Arkansas. Thunderstorms developed near this front with an isolated severe storm developing north of the boundary.				
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OSAGE COUNTY --- 3.0 N GRAINOLA [36.99, -96.65]	02/27/11 18:20 CST	0		Hail (1.25 in)
	02/27/11 18:20 CST	0		Source: NWS Employee
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OSAGE COUNTY --- 3.0 NNW GRAINOLA [36.99, -96.67], 3.6 NNE GRAINOLA [37.00, -96.63]	02/27/11 18:21 CST	0		Tornado (EF0, L: 2.40 mi , W: 50 yd)
	02/27/11 18:23 CST	0		Source: Broadcast Media
A KOTV meteorologist witnessed a tornado from the station's helicopter during a live broadcast. The tornado remained over open country and thus resulted in no damage. The tornado continued into Cowley County Kansas.				
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MUSKOGEE COUNTY --- 1.2 W HATBOX ARPT [35.75, -95.44]	02/27/11 22:04 CST	0		Hail (0.88 in)
	02/27/11 22:04 CST	0		Source: Emergency Manager
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ADAIR COUNTY --- 0.8 N WESTVILLE [35.99, -94.57]	02/27/11 23:01 CST	0		Hail (1.00 in)
	02/27/11 23:01 CST	0		Source: Law Enforcement
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HASKELL COUNTY --- 0.5 N KEOTA [35.26, -94.92]	02/27/11 23:10 CST	0		Thunderstorm Wind (EG 52 kt)
	02/27/11 23:10 CST	0		Source: Public
Strong thunderstorm wind gusts blew down large tree limbs.				
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LE FLORE COUNTY --- 2.3 E BRADEN [35.28, -94.46]	02/27/11 23:46 CST	0		Thunderstorm Wind (EG 61 kt)
	02/27/11 23:46 CST	0		Source: Emergency Manager
Strong thunderstorm wind gusts snapped large trees limbs.				
The combination of a pacific cold front and dry line moving through the region with moist and unstable air in place ahead of them resulted in the development of severe thunderstorms during the evening of the 27th.				