

Storm Data and Unusual Weather Phenomena - July 2011

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

(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

07/01/11 00:00 CST	0	Excessive Heat
07/01/11 20:00 CST	0	

A strong ridge of high pressure in the middle and upper atmosphere redeveloped across the south central United States in late June resulting in strong subsidence over the region. High temperatures climbed to 102 to 104 degrees under mostly clear skies. This heat combined with fairly high relative humidity values resulted in afternoon heat index values, or apparent temperatures, in the 105 to 110 degree range. Very little relief was realized during the overnight period as temperatures only fell into the mid to upper 70s. This period of excessive heat continued into the first day of July.

SEBASTIAN COUNTY --- 0.3 W FT SMITH [35.38, -94.43]

07/01/11 15:53 CST	5K	Thunderstorm Wind (EG 52 kt)
07/01/11 15:53 CST	0	Source: Broadcast Media

Several power lines were blown down by strong thunderstorms winds along Wheeler Avenue in West Fort Smith.

High-based thunderstorms developed during the afternoon of July 1st over portions of west central Arkansas. One storm produced a damaging downburst.

WASHINGTON COUNTY --- 1.7 ESE TONTITOWN [36.18, -94.20]

07/02/11 16:44 CST	0	Thunderstorm Wind (EG 52 kt)
07/02/11 16:44 CST	0	Source: Trained Spotter

Several large tree limbs were blown down by strong thunderstorm wind on Highway 412.

WASHINGTON COUNTY --- FAYETTEVILLE [36.07, -94.17]

07/02/11 17:15 CST	0	Hail (0.88 in)
07/02/11 17:15 CST	0	Source: Broadcast Media

Isolated, high-based thunderstorms developed during the afternoon of the 2nd across parts of far northwest Arkansas. One thunderstorm resulted in damaging winds.

(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN

07/10/11 11:30 CST	0	Excessive Heat
07/31/11 23:59 CST	0	

A strong ridge of high pressure in the middle and upper atmosphere redeveloped across the south central United States in mid July resulting in strong subsidence over the region. High temperatures climbed to above 100 degrees 30 out of 31 days during the month at the Fort Smith Airport and July 2011 went down as the warmest July on record for that area since records began in 1882. Numerous record temperatures were exceeded this month. This heat combined with fairly high relative humidity values resulted in afternoon heat index values, or apparent temperatures, in the 105 to 115 degree range. Very little relief was realized during the overnight period as temperatures only fell into the upper 70s to lower 80s. This period of excessive heat continued into August.

SEBASTIAN COUNTY --- 1.5 WSW WASHBURN [35.16, -94.12]

07/13/11 13:38 CST	5K	Thunderstorm Wind (EG 56 kt)
07/13/11 13:38 CST	0	Source: Trained Spotter

Shingles were blown off the roof of a home and the roof of a dog kennel was blown off.

SEBASTIAN COUNTY --- 3.0 S MILLTOWN [35.11, -94.15]

07/13/11 13:38 CST	0	Thunderstorm Wind (EG 56 kt)
07/13/11 13:38 CST	0	Source: Trained Spotter

Strong thunderstorm wind blew down numerous large tree limbs.

SEBASTIAN COUNTY --- WASHBURN [35.17, -94.10]

07/13/11 13:40 CST	0	Thunderstorm Wind (EG 60 kt)
07/13/11 13:40 CST	0	Source: Trained Spotter

Two large trees were blown down by strong thunderstorm winds.

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SEBASTIAN COUNTY --- GREENWOOD [35.22, -94.27]				
	07/13/11 14:00 CST		0.20M	Lightning
	07/13/11 14:00 CST		0	Source: Emergency Manager

Lightning struck a church resulting in a major fire that consumed the structure.

Thunderstorms developed during the early afternoon of July 13th over parts of west central Arkansas. A few of these storms produced damaging winds.

BENTON COUNTY --- 1.2 E BELLA VISTA [36.43, -94.21]				
	07/24/11 13:30 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/24/11 13:30 CST		0	Source: Broadcast Media

Strong thunderstorm wind blew down trees and broke windows along Spanker Creek Road.

High-based thunderstorms developed in the early afternoon of July 24 over far northwest Arkansas. One of these storms produced damaging downburst wind.

(AR-Z019) CRAWFORD, (AR-Z020) FRANKLIN, (AR-Z029) SEBASTIAN				
	07/26/11 00:00 CST		0	Drought
	07/31/11 23:59 CST		0	

A persistent subtropical ridge of high pressure over the south central United States during the month of July resulted in prolonged hot and dry weather across the region. There were a few days on which isolated to widely scattered thunderstorms occurred but these were far too few to have much affect. Much of west central Arkansas received precipitation amounts during the month that were well below average (less than 25 percent of normal). Some locations only received a few hundredths of an inch of rainfall during the entire month. As a result, severe drought conditions had redeveloped across the region by month's end. Monetary damages as a result of this drought were not available.

(AR-Z029) SEBASTIAN				
	07/28/11 12:30 CST		0.15M	Wildfire
	07/31/11 23:59 CST		0	

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire that was started by a child playing with fireworks near Greenwood. This fire spread onto the Fort Chaffee military installation. Numerous fire departments and the National Guard were ultimately called upon to control this fire. The fire destroyed one home and damaged three others before it was under control on the 29th. Although it was under control, the fire continued to flare up from time to time through the end of the month. The fire significantly flared up again on August 3rd, eventually burning a number of structures near and around Fort Chaffee.

BENTON COUNTY --- 2.0 W OSAGE MILLS [36.28, -94.31]				
	07/30/11 17:23 CST		0	Thunderstorm Wind (MG 71 kt)
	07/30/11 17:23 CST		0	Source: ASOS

The ASOS at the Northwest Arkansas Regional Airport (XNA) measured 82 mph thunderstorm wind gusts.

Isolated thunderstorms occurred over parts of far northwest Arkansas during the late afternoon and early evening of July 30th. One thunderstorm resulted in strong downburst winds at the Northwest Arkansas Regional Airport.

OKLAHOMA, Eastern

(OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z054) OSAGE, (OK-Z055) WASHINGTON, (OK-Z056) NOWATA, (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				
	07/01/11 00:00 CST		0	Drought
	07/31/11 23:59 CST		0	

A persistent subtropical ridge of high pressure over the south central United States during the month of July resulted in prolonged hot and dry weather across the region. There were a few days on which isolated to widely scattered thunderstorms occurred but these were far too few to have much affect. Much of eastern Oklahoma received precipitation amounts during the month that were well below

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average and some locations only received a few hundredths of an inch of rainfall during the entire month. As a result, severe to extreme drought conditions had redeveloped across the majority of the region by month's end. Monetary damages as a result of this drought were not available.

(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-Z064) CREEK, (OK-Z065) OKFUSKEE

07/01/11 00:00 CST			0	Excessive Heat
07/01/11 20:00 CST		20	0	

A strong ridge of high pressure in the middle and upper atmosphere redeveloped across the south central United States in late June resulting in strong subsidence over the region. High temperatures climbed to 100 to 104 degrees under mostly clear skies. This heat combined with fairly high relative humidity values resulted in afternoon heat index values, or apparent temperatures, in the 105 to 110 degree range. Very little relief was realized during the overnight period as temperatures only fell into the mid to upper 70s. This period of excessive heat continued into the first day of July.

(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

07/09/11 14:30 CST		2	0	Excessive Heat
07/31/11 23:59 CST		175	0	

Direct Fatalities: F63PH, F91PH

A strong ridge of high pressure in the middle and upper atmosphere redeveloped across the south central United States in mid July resulting in strong subsidence over the region. High temperatures climbed to above 100 degrees on all but two days during the remainder of the month at the Tulsa International Airport and July 2011 went down as the second warmest July on record for that area since records began in 1905. Numerous record temperatures were exceeded this month across eastern Oklahoma. This heat combined with fairly high relative humidity values resulted in afternoon heat index values, or apparent temperatures, in the 105 to 115 degree range. Very little relief was realized during the overnight period as temperatures only fell into the upper 70s to mid 80s. This period of excessive heat continued into August.

(OK-Z054) OSAGE

07/11/11 11:00 CST			0	Wildfire
07/11/11 22:00 CST			0	

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire that was started as a result of an escaped debris burn west of Skiatook. An Oklahoma Army National Guard UH-60 Blackhawk with a 660-gallon bucket assisted the Skiatook Fire Department fight the fire. Nearly 700 acres were burned by this fire before it was controlled.

OSAGE COUNTY --- 9.0 N SAND SPGS [36.28, -96.12]

07/12/11 14:19 CST			15K	Thunderstorm Wind (EG 61 kt)
07/12/11 14:19 CST			0	Source: Broadcast Media

The roof was blown off of a barn and an aluminum car port was destroyed by strong thunderstorm winds.

MUSKOGEE COUNTY --- 1.3 SSE MUSKOGEE DAVIS ARPT [35.65, -95.36]

07/12/11 18:05 CST			75K	Thunderstorm Wind (MG 63 kt)
07/12/11 18:05 CST			0	Source: ASOS

The ASOS at Davis Field measured 72 mph thunderstorm wind gusts. Three metal buildings near the airport were destroyed, large trees were uprooted, and homes were damaged by the wind.

High-based thunderstorms developed during the afternoon of July 12th over parts of eastern Oklahoma. A few of these storms produced damaging downburst wind.

LE FLORE COUNTY --- 0.2 NE POCOLA [35.23, -94.48]

07/13/11 13:08 CST			10K	Thunderstorm Wind (EG 56 kt)
07/13/11 13:08 CST			0	Source: Broadcast Media

A few homes sustained roof damage and one barn was damaged by strong thunderstorm winds.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Thunderstorms developed during the early afternoon of July 13th over parts of southeastern Oklahoma. One storm produced damaging winds.

(OK-Z073) PITTSBURG, (OK-Z074) HASKELL

07/21/11 11:00 CST			0	Wildfire
07/21/11 22:00 CST		2	0	

Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire that was started near Blanco in Pittsburg County. Numerous fire departments were committed to this fire, along with Forestry Services firefighters, and an Oklahoma Army National Guard UH-60 Blackhawk with a 660-gallon bucket. One of the firefighters received burn injuries and was transported to an area hospital. This fire burned in excess of 500 acres.

Another wildfire that started near Keota in Haskell County resulted in a firefighter getting burn injuries and had to be transported to an area hospital. This fire burned about 200 acres and was fought by fire fighters from Forestry Services and local fire departments.

TULSA COUNTY --- GLENPOOL [35.95, -96.00]

07/24/11 13:38 CST			0	Thunderstorm Wind (EG 52 kt)
07/24/11 13:38 CST			0	Source: Public

Trees were damaged by strong thunderstorm winds.

TULSA COUNTY --- 0.5 SW BIXBY [35.94, -95.89]

07/24/11 14:00 CST			0	Thunderstorm Wind (EG 52 kt)
07/24/11 14:00 CST			0	Source: Public

Large tree limbs were blown down by strong thunderstorm winds.

MAYES COUNTY --- 4.0 W PRYOR [36.30, -95.39]

07/24/11 14:53 CST			40K	Thunderstorm Wind (EG 65 kt)
07/24/11 14:53 CST			0	Source: Emergency Manager

Strong thunderstorm wind destroyed four wood-framed barns, blew siding and shingles off of six homes, blew down four privacy fences, and overturned a trailer.

ROGERS COUNTY --- 3.0 ESE INOLA [36.13, -95.45]

07/24/11 15:15 CST			0	Thunderstorm Wind (MG 51 kt)
07/24/11 15:15 CST			0	Source: Mesonet

The Oklahoma Mesonet station near Inola measured 59 mph thunderstorm wind gusts.

MAYES COUNTY --- 2.0 SSW CHOUTEAU [36.15, -95.36]

07/24/11 15:21 CST	1	15K		Thunderstorm Wind (EG 56 kt)
07/24/11 15:21 CST	1	0		Source: Emergency Manager

Strong thunderstorm wind flipped a horse-drawn buggy injuring two passengers, one critically. The critically injured woman died in a hospital from her injuries on September 3rd. The strong wind also destroyed a barn and damaged two others in this vicinity.

Direct Fatalities: F76OU

PITTSBURG COUNTY --- MC ALESTER [34.93, -95.77]

07/24/11 17:17 CST			10K	Thunderstorm Wind (EG 61 kt)
07/24/11 17:17 CST			0	Source: Amateur Radio

Power lines were blown down and several outbuildings were blown over by strong thunderstorm winds.

PITTSBURG COUNTY --- 7.0 N ASHLAND [34.87, -96.07]

07/24/11 18:35 CST			0	Thunderstorm Wind (MG 51 kt)
07/24/11 18:35 CST			0	Source: Mesonet

The Oklahoma Mesonet station near Stuart measured 59 mph thunderstorm wind gusts.

High-based thunderstorms developed in the early afternoon of July 24th over eastern Oklahoma. Several of the stronger storms produced damaging downburst wind.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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(OK-Z064) CREEK	07/26/11 12:00 CST		0	Wildfire
	07/26/11 22:00 CST		0	
<p>Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire that was started on the outskirts of Sapulpa. An Oklahoma Army National Guard UH-60 Blackhawk with a 660-gallon bucket assisted the Sapulpa, Glenpool and Berryhill Fire Departments fight the fire. This fire burned in excess of 300 acres and resulted in evacuations of homes and businesses, ultimately none of which were affected due to the efforts of the fire fighters.</p>				
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(OK-Z068) CHEROKEE	07/27/11 11:00 CST		15K	Wildfire
	07/28/11 22:00 CST		0	
<p>Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire that was started southwest of Tahlequah. Two Forestry Services Units, a Cherokee Nation Unit, and a number of local fire departments were committed to this incident. In addition, an Oklahoma Army National Guard CH-47 Chinook helicopter with a 1,320 gallon bucket provided aerial suppression assistance. The wildfire threatened homes but only was able to consume outbuildings.</p>				
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(OK-Z049) PUSHMATAHA	07/27/11 11:00 CST		0	Wildfire
	07/28/11 22:00 CST		0	
<p>Very dry, hot, and breezy conditions, along with extremely dry fuels as a result of the long-term drought the region has experienced, promoted the rapid spread of a wildfire that was started northwest of Antlers. Forestry Services units, Choctaw Nation units, and a number of local fire departments were committed to this incident, which burned more than 600 acres.</p>				