

Storm Data and Unusual Weather Phenomena - November 2006

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
OKLAHOMA, Western, Central and Southeast				
HARPER (OK-Z004), WOODS (OK-Z005), ALFALFA (OK-Z006), GRANT (OK-Z007), KAY (OK-Z008), ELLIS (OK-Z009), WOODWARD (OK-Z010), MAJOR (OK-Z011), GARFIELD (OK-Z012), NOBLE (OK-Z013), ROGER MILLS (OK-Z014), DEWEY (OK-Z015), CUSTER (OK-Z016), BLAINE (OK-Z017), KINGFISHER (OK-Z018), LOGAN (OK-Z019), PAYNE (OK-Z020), BECKHAM (OK-Z021), WASHITA (OK-Z022), CADDO (OK-Z023), CANADIAN (OK-Z024), OKLAHOMA (OK-Z025), LINCOLN (OK-Z026), GRADY (OK-Z027), MCCLAIN (OK-Z028), CLEVELAND (OK-Z029), POTTAWATOMIE (OK-Z030), SEMINOLE (OK-Z031), HUGHES (OK-Z032), STEPHENS (OK-Z039), GARVIN (OK-Z040), MURRAY (OK-Z041), PONTOTOC (OK-Z042), COAL (OK-Z043), COTTON (OK-Z044), JEFFERSON (OK-Z045), CARTER (OK-Z046), JOHNSTON (OK-Z047), ATOKA (OK-Z048), LOVE (OK-Z050), MARSHALL (OK-Z051), BRYAN (OK-Z052)				

11/01/06 00:00 CST	0	0	Drought
11/30/06 23:59 CST	0	2M	

Severe to extreme (D2-D3) drought conditions were seen across much of Oklahoma during the month of November despite some precipitation. However, in northern Oklahoma the drought deteriorated to exceptional (D4) drought conditions by the end of the month. The drought that has lasted for more than a year continued to cause water concerns for many communities. Many communities had limited watering activities along with a concern over the availability of adequate drinking water. The low water levels also continued to affect outdoor recreation. Many boat docks and ramps remained on dry ground. Boaters who were able to get in the water also had to be careful due to the lakebed being closer to the surface. This led to the closure of several lakes due to safety concerns. Outdoor recreation activities such as hunting were also affected due to the wildlife dealing with the lack of water and proper vegetation for food. The agriculture industry continued to be hit hard by the drought. Hay crop was small which led to many ranchers and farmers selling all or part of livestock herds due to the lack of food. The cotton crop was affected by the heat and drought of the summer months. There was also concern that the lack of adequate moisture will affect other future crops that were planted during the fall such as winter wheat.

The dry conditions combined with wind caused the spread of several wildfires. Several firefighter departments helped to fight a fire near Guthrie that closed Interstate 35 southbound near mile marker 165 for a time. The fire burned several hundred acres. Another fire occurred near Ponca City. Several fires were reported near Mangum and Granite when high winds downed power lines which sparked the dry vegetation.

BECKHAM COUNTY

ELK CITY	11/05/06 06:05 CST	0	0	Hail (0.75 in)
	11/05/06 06:05 CST	0	0	35.42N, 99.42W

Hail was reported covering the ground.

WASHITA COUNTY

3 W CANUTE	11/05/06 06:20 CST	0	0	Hail (0.75 in)
	11/05/06 06:20 CST	0	0	35.42N, 99.23W

Hail was reported covering ground.

ROGER MILLS COUNTY

HERRING STATION	11/05/06 11:48 CST	0	0	Hail (1.00 in)
	11/05/06 11:48 CST	0	0	35.6N, 99.52W

Dime to quarter size hail was reported covering the ground.

ROGER MILLS COUNTY

HAMMON	11/05/06 11:53 CST	0	0	Hail (0.88 in)
	11/05/06 11:53 CST	0	0	35.63N, 99.38W

CANADIAN COUNTY

NILES	11/05/06 14:11 CST	0	0	Hail (1.00 in)
	11/05/06 14:11 CST	0	0	35.43N, 98.25W

Hail was reported by KOCO-TV.

Several severe thunderstorms moved across western and parts of central Oklahoma producing hail.

HARPER (OK-Z004), WOODS (OK-Z005), ELLIS (OK-Z009), WOODWARD (OK-Z010), GARFIELD (OK-Z012), ROGER MILLS (OK-Z014), DEWEY (OK-Z015), CUSTER (OK-Z016), BECKHAM (OK-Z021), WASHITA (OK-Z022), OKLAHOMA (OK-Z025), GRADY (OK-Z027), CLEVELAND (OK-Z029), POTTAWATOMIE (OK-Z030), HARMON (OK-Z033), GREER (OK-Z034), KIOWA (OK-Z035), JACKSON (OK-Z036), TILLMAN (OK-Z037), COMANCHE (OK-Z038), STEPHENS (OK-Z039)

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	11/15/06 00:35 CST	0	195K	High Wind (MAX 59 kt)
	11/15/06 14:25 CST	0	0	

A strong surface low pressure moved across the region causing strong to high wind gusts across approximately the western two-thirds of Oklahoma from the early morning hours through part of the day. Numerous wind gusts of 35 knots to 49 knots (40-57 mph) were measured across Oklahoma by Oklahoma mesonet and ASOS stations, along with many high wind gusts of 50 to 59 knots (58-68 mph). The strongest wind gusts of 59 knots (68 mph) were measured at the Oklahoma mesonet stations located 10 miles east-northeast of Willow in Kiowa county and 6 miles southwest of Cheyenne in Roger Mills county. The high winds caused damage across the area on November 15. In Elk City in Beckham county, the roofs of some buildings in the industrial area were damaged. The entire roof of a trailer home was also ripped off. The roof of a building that was built in 1909 and housed the Shattuck Windmill Museum in Ellis county was damaged by the high winds. Two tractor trailer rigs traveling on Interstate 40 were overturned. One tractor trailer overturned near Elk City in Beckham county at mile marker 32 around 0200 CST. Less than two hours later a second tractor trailer overturned near the town of Canute in Washita county near mile marker 45 on Interstate 40. These two accidents closed parts of Interstate 40 for about two hours. No injuries were reported in these accidents.

Numerous power outages were reported and power lines downed across the area due to the high winds. Power lines were downed in Moore in Cleveland county causing the cancellation of classes at the Winding Creek Elementary school for the day. Power lines were also downed in Greer county near Mangum and Granite causing several wildfires. Trees and power lines were downed in Lone Wolf in Kiowa county. A large window at the post office in Lone Wolf was blown out. Power outages were also reported in Enid in Garfield county, Shawnee in Pottawatomie county, and Oklahoma City in Oklahoma county.

HARPER (OK-Z004), COAL (OK-Z043), COTTON (OK-Z044), JEFFERSON (OK-Z045), JOHNSTON (OK-Z047), ATOKA (OK-Z048), LOVE (OK-Z050), MARSHALL (OK-Z051), BRYAN (OK-Z052)

11/29/06 18:00 CST	0	0	Winter Weather
11/30/06 23:00 CST	0	0	

WOODS (OK-Z005), ALFALFA (OK-Z006), ELLIS (OK-Z009), WOODWARD (OK-Z010), MAJOR (OK-Z011), ROGER MILLS (OK-Z014), DEWEY (OK-Z015), CUSTER (OK-Z016), BECKHAM (OK-Z021), WASHITA (OK-Z022), CADDO (OK-Z023), CANADIAN (OK-Z024), OKLAHOMA (OK-Z025), LINCOLN (OK-Z026), GRADY (OK-Z027), MCCLAIN (OK-Z028), CLEVELAND (OK-Z029), POTTAWATOMIE (OK-Z030), SEMINOLE (OK-Z031), HUGHES (OK-Z032), HARMON (OK-Z033), GREER (OK-Z034), KIOWA (OK-Z035), JACKSON (OK-Z036), TILLMAN (OK-Z037), COMANCHE (OK-Z038), STEPHENS (OK-Z039), GARVIN (OK-Z040), MURRAY (OK-Z041), PONTOTOC (OK-Z042), CARTER (OK-Z046)

11/29/06 18:00 CST	0	0	Winter Storm
11/30/06 23:00 CST	0	0	

A strong cold front brought cold arctic air to the region. A strong upper level storm system then translated across the region over the arctic air causing winter precipitation. Winter precipitation fell in the form of freezing rain, sleet, and snow beginning on November 29 and ended during the evening of November 30. Thunderstorms also occurred with the sleet and freezing rain. Strong north winds combined with the snow causing blizzard or blizzard-like conditions across parts of the area on November 30, with the worst conditions occurring in north central Oklahoma where the greatest snowfall fell. Before the precipitation ended, most locations across approximately the western two-thirds of Oklahoma received some snow. However, many locations received other winter precipitation before changing over to snow. From northwest to southeast across the area the precipitation fell as all snow, a mix of sleet and snow, and a mix of sleet and freezing rain. Snowfall amounts ranged from less than an inch up to 12 inches. Most of the snowfall that was 4 inches or greater fell across the northern two-thirds of the area, with the greatest amounts occurring in north central Oklahoma where widespread amounts of 9 to 12 inches were reported. The highest total of 12 inches was reported in Newkirk in Kay county. Several inches of sleet fell across parts of central and southern Oklahoma. Ice glaze accumulations of up to 1/2 an inch were also reported across parts of central and southern Oklahoma. The winter precipitation caused hazardous travel across the area with numerous accidents reported.

COTTON COUNTY

WALTERS	11/29/06 19:06 CST	0	0	Hail (0.88 in)
	11/29/06 19:06 CST	0	0	34.35N, 98.3W

Thunderstorms developed near a strong cold front. An isolated thunderstorm briefly became severe producing dime to nickel size hail that covered the ground.

GRANT (OK-Z007), KAY (OK-Z008), GARFIELD (OK-Z012), NOBLE (OK-Z013), BLAINE (OK-Z017), KINGFISHER (OK-Z018), LOGAN (OK-Z019), PAYNE (OK-Z020)

11/30/06 06:00 CST	0	0	Blizzard
11/30/06 23:00 CST	0	0	

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TEXAS, Western North

WICHITA (TX-Z086)

11/15/06 05:49 CST	0	0	High Wind (MAX 53 kt)
11/15/06 06:19 CST	0	0	

A strong low pressure that moved across the region caused strong to high winds across western north Texas on November 15. The strongest wind gust of 53 knots (61 mph) was reported by the ASOS station at Sheppard Air Force Base (KSPS) in Wichita Falls. No damage was reported across the area.

WILBARGER (TX-Z085), WICHITA (TX-Z086), BAYLOR (TX-Z088), ARCHER (TX-Z089), CLAY (TX-Z090)

11/29/06 18:00 CST	0	0	Winter Weather
11/30/06 20:00 CST	0	0	

HARDEMAN (TX-Z083), FOARD (TX-Z084), KNOX (TX-Z087)

11/30/06 03:00 CST	0	0	Winter Storm
11/30/06 19:00 CST	0	0	

Cold arctic air moved into the region ahead of a strong upper level storm system that moved across the southern plains causing winter precipitation across western north Texas November 29-30. Rain, freezing rain, sleet and eventually snow fell across the area. Accumulations of sleet and snow ranged from less than an inch up to 5 inches. The highest amounts of 4 to 5 inches were reported in Hardeman county. The precipitation caused numerous accidents across the area due to the hazardous road conditions.