



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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### OKLAHOMA, Western, Central and Southeast

**OKZ004>048-050>052 Harper - Woods - Alfalfa - Grant - Kay - Ellis - Woodward - Major - Garfield - Noble - Roger Mills - Dewey - Custer - Blaine - Kingfisher - Logan - Payne - Beckham - Washita - Caddo - Canadian - Oklahoma - Lincoln - Grady - McClain - Cleveland - Pottawatomie - Seminole - Hughes - Harmon - Greer - Kiowa - Jackson - Tillman - Comanche - Stephens - Garvin - Murray - Pontotoc - Coal - Cotton - Jefferson - Carter - Johnston - Atoka - Love - Marshall - Bryan**

<b>01</b>	<b>0000CST</b>				<b>0</b>	<b>0</b>	<b>50K</b>	<b>750K</b>	<b>Drought</b>
<b>31</b>	<b>2359CST</b>								

The drought continued through the month of July across the area despite rainfall in some places. The drought conditions actually worsened across the area by the end of the month. At the beginning of the month the drought conditions were mainly in the severe (D2) category with parts of western Oklahoma in the extreme (D3) drought category. By the end of the month the entire area had worsened to an extreme (D3) drought. The ongoing drought conditions continued to cause problems in the agriculture community. Crops continued to be affected by the dry conditions with those crops planted in spring showing signs of problems. The state continued to be considered a disaster area due to the drought conditions. Low levels or no level of water in farm ponds and the lack of hay and damaged pasture continued to affect farmers and ranchers across the area. Farmers and ranchers continued to sell all or part of their animal herds to alleviate the problem.

The dry conditions also increased the fire danger across the area. Several fires were reported with less than a few hundred acres burned per fire. Some of the fires were believed to have been started by lightning. A burn ban had also been issued for the area.

The lack of water continued to cause communities to institute voluntary or mandatory water rationing programs. The recreation community has also been affected with lake levels so low boat ramps and docks were on dry land. The low lake levels had also caused some boating accidents due to debris on the lake floor being closer to the surface than usual. Low water levels along with very hot temperatures were believed to be the cause of several fish kills across the area. One fish kill was noted at the Deep Fork River in Lincoln county. The fish were seen from north of the town of Sparks all the way to the Oklahoma county line. Large fish were seen dead. However, no frogs, crayfish or turtles were noted to be affected. Another fish kill occurred in Hughes county along the Canadian River. Several hundred carp were found dead in this area.

The heat combined with drought conditions also contributed to a train derailment near Ada in Pontotoc county. Ten, mainly empty, rail cars derailed Friday July 21st at around 1530 CDT. The rail cars were believed to have been turned over due to ground separation brought on by the dry and hot conditions.

**Stephens County  
Duncan**

<b>01</b>	<b>1530CST</b>				<b>0</b>	<b>0</b>	<b>15K</b>		<b>Dust Devil</b>
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An eyewitness observed a dust devil, approximately 50 feet in diameter, rip the roof off of the Oklahoma State University Extension Service Office building at the Stephens County Fairgrounds. The dust devil then moved off a short distance, with the edge affecting a line of parked cars. The witness observed the cars significantly rocking and for a short time thought a few might tip over. However, no cars did turn over.

**Carter County  
3 N Dickson**

<b>04</b>	<b>1910CST</b>				<b>0</b>	<b>0</b>	<b>1K</b>		<b>Thunderstorm Wind (EG52)</b>
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Tree limbs, three inches in diameter, were downed. Shingles were also blown off a house.

**McClain County  
Newcastle**

<b>10</b>	<b>1330CST</b>				<b>0</b>	<b>0</b>	<b>18K</b>		<b>Lightning</b>
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A lightning strike damaged a home on Main Street. There were three separate holes in the roof found in the roof. A fire ignited by the lightning also damaged the home.



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### OKLAHOMA, Western, Central and Southeast

<b>Cleveland County</b>									
4 NE Moore	10	1410CST			0	0			Thunderstorm Wind (EG52)
Wind gust was reported at the intersection of Sooner Road and 89th Street.									
<b>Mcclain County</b>									
2 E Goldsby	10	1410CST			0	0			Thunderstorm Wind (EG52)
<b>Cleveland County</b>									
4 NW Norman	10	1412CST			0	0			Thunderstorm Wind (MG53)
<b>Cleveland County</b>									
1 N Norman	10	1414CST			0	0	0.02K		Thunderstorm Wind (EG52)
A six inch diameter cottonwood tree limb was downed.									
<b>Cleveland County</b>									
Noble	10	1415CST			0	0	0.02K		Thunderstorm Wind (EG52)
A tree limb, approximately six inches in diameter, was downed.									
<b>Oklahoma County</b>									
Oklahoma City	10	1430CST			0	1	20K		Thunderstorm Wind (EG56)
The roof was peeled away and lines ruptured at a business that contained commercial refrigeration units on the southeast side of the city. The building was evacuated due to a cloud being seen and ammonia vapors smelled. One person was injured. Power lines were also downed.									
<b>Murray County</b>									
Dougherty	10	1440CST			0	0			Thunderstorm Wind (MG50)
<b>Pottawatomie County</b>									
11 W Tecumseh	10	1440CST			0	0	0.05K		Thunderstorm Wind (EG52)
Tree limbs, two inches in diameter, were downed.									
<b>Lincoln County</b>									
2 W Stroud	10	1450CST			0	0			Thunderstorm Wind (EG61)
<b>Lincoln County</b>									
Stroud	10	1455CST			0	0	3.5K		Thunderstorm Wind (EG56)
Two inch diameter tree limbs were downed. An awning at a business was also blown down.									
<b>Pottawatomie County</b>									
3 NNW Shawnee	10	1500CST			0	0			Thunderstorm Wind (MG54)
Wind gust was measured by the Oklahoma mesonet.									
<b>Pottawatomie County</b>									
Tecumseh	10	1510CST			0	0	1.5K		Thunderstorm Wind (EG56)
Power lines were downed, along with three to four inch diameter tree limbs.									
<b>Payne County</b>									
Stillwater	10	1527CST			0	0			Hail(0.88)
<b>Cleveland County</b>									
Norman	10	1600CST			0	0	100K		Lightning
A lightning strike on the east side of town caused a fire in a home that destroyed the roof and attic. The second floor also sustained significant damage.									
<b>Pontotoc County</b>									
1 NE Ada	10	1600CST			0	0			Hail(0.88)
<b>Noble County</b>									
8 NNW Perry	10	1630CST			0	0	10K		Thunderstorm Wind (EG61)
Cars were blown off Interstate 35 near mile marker 194 and Highway 412.									
<b>Kingfisher County</b>									
2 NE Kingfisher	10	1725CST			0	0			Thunderstorm Wind (MG53)
Wind gust was measured by the Oklahoma mesonet.									



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<b>OKLAHOMA, Western, Central and Southeast</b>									
<b>Canadian County</b> 4 W Yukon	10	1755CST			0	0	10K		Thunderstorm Wind (EG52)
									Two tractor-trailers were blown over near Interstate 40 and Cimarron Road.
<b>Garfield County</b> Drummond	10	1822CST			0	0			Hail(0.88)
<b>Garfield County</b> Vance Afb	10	1837CST			0	0			Hail(0.75)
<b>Cleveland County</b> Norman	10	1900CST			0	0	110K		Lightning
									A lightning strike caused a fire in a large, approximately 3000 square foot, home on the west side of town. Heavy fire damage was sustained to the roof and attic. Heavy smoke damage also occurred to the second floor of the home
<b>Major County</b> 1 SSW Orienta	10	1900CST			0	0			Thunderstorm Wind (EG52)
<b>Kingfisher County</b> 2 NE Kingfisher	10	1915CST			0	0			Thunderstorm Wind (MG52)
									Wind gust was measured by the Oklahoma mesonet.
<b>Kingfisher County</b> Hennessey	10	1920CST			0	0	40K		Thunderstorm Wind (EG52)
									A barn was destroyed. Two horses were killed due to the flying debris of the barn. The debris was observed along a path north of the barn up to 1.5 miles away.
<b>Woods County</b> 16 NNE Freedom	11	1645CST			0	0			Thunderstorm Wind (MG59)
									Wind gust was measured by the Oklahoma mesonet.
<b>Garfield County</b> 3 NNW Drummond	11	1710CST			0	0			Hail(0.75)
<b>Garfield County</b> Enid	11	1735CST			0	0			Hail(0.75)
									Hail was reported on the north side of town.
<b>Garfield County</b> 1 W Vance Afb	11	1735CST			0	0			Hail(0.75)
<b>Garfield County</b> 3 N Waukomis	11	1740CST			0	0			Hail(0.88)
<b>Garfield County</b> Vance Afb	11	1755CST			0	0			Hail(1.00)
<b>Major County</b> 17 N Chester	11	1808CST			0	0			Thunderstorm Wind (EG52)
<b>Woods County</b> 9 SE Waynoka	11	1810CST			0	0			Thunderstorm Wind (EG56)
<b>Major County</b> 18 NNE Chester	11	1812CST			0	0			Hail(0.75)
<b>Garfield County</b> 6 E Waukomis	11	1827CST			0	0			Thunderstorm Wind (MG69)
<b>Kay County</b> 8 NE Newkirk	11	1935CST			0	0			Thunderstorm Wind (EG52)
<b>Lincoln County</b> 3 N Jacktown	11	1950CST			0	0	0.10K		Thunderstorm Wind (EG56)
									Tree limbs, four inches in diameter, were downed.



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### OKLAHOMA, Western, Central and Southeast

#### Carter County

<b>Healdton</b>	12	1600CST			0	0	2.5K		<b>Thunderstorm Wind (EG56)</b>
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Power poles and lines were downed.

#### OKZ004>048-050>052

**Harper - Woods - Alfalfa - Grant - Kay - Ellis - Woodward - Major - Garfield - Noble - Roger Mills - Dewey - Custer - Blaine - Kingfisher - Logan - Payne - Beckham - Washita - Caddo - Canadian - Oklahoma - Lincoln - Grady - McClain - Cleveland - Pottawatomie - Seminole - Hughes - Harmon - Greer - Kiowa - Jackson - Tillman - Comanche - Stephens - Garvin - Murray - Pontotoc - Coal - Cotton - Jefferson - Carter - Johnston - Atoka - Love - Marshall - Bryan**

16	1200CST				10	100			<b>Heat</b>
31	2359CST								

Temperatures reached triple digits across the area starting in mid-July and continued through the end of the month. Many locations at times reached 105 degrees or greater with higher heat index values. Overnight lows remained warm for much of this time also with most location only falling to 75 degrees or higher. The heat caused 10 fatalities across the area during this time period. Many fatalities occurred in homes that did not have fans or working air conditioners. Two men and three women died in the Oklahoma City metro area. One man was found dead on the northeast side of the city in his home where the air conditioner was broken. Another man died mowing his lawn at his home in the town of Harrah. A woman in The Village was found dead in her house where the A/C was not turned on. Another woman was found dead in her home on the southwest side of the city. Her home did not have an air conditioner or fans. A third woman died at her home where the air conditioner was broken. In Mooreland in Woodward county, a woman died outside when she went to check on the water levels at a pond on her property. The woman fell and broke her hip which kept her from getting back to her home. Two people in Chickasha in Grady county died. The man was found dead in his home that did not have any air conditioning. A woman had spent the day outside with friends. She then collapsed at her home which did not have air conditioning. In Lindsay in Garvin county, two people also died. One woman died in her home where the air conditioner was not running. A second woman was found dead on a dirt road near her home. She was walking from one home to another when she collapsed and eventually died. The paramedic services also made numerous calls for heat-related illnesses during this time.

The heat also caused a portion of Interstate 44, on the west side of Oklahoma City, to buckle. The heat also caused a strain on several power grids causing local authorities to ask for people to minimize the consumption of power during the hottest parts of the day to prevent brown outs.

F77PH, F51OU, M64PH, F83PH, M76PH, F62PH, F72PH, F87PH, M60OU, F88O U

#### Pottawatomie County

<b>Tribbey</b>	21	1550CST			0	0	0.20K		<b>Thunderstorm Wind (EG52)</b>
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Several tree limbs, approximately six inches in diameter, were downed.

#### Pottawatomie County

<b>1 E Maud</b>	21	1615CST			0	0	20K		<b>Thunderstorm Wind (EG56)</b>
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Power lines were downed. The roof of a car wash was also blown off

#### Major County

<b>Isabella</b>	27	1425CST			0	0			<b>Thunderstorm Wind (EG52)</b>
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#### Oklahoma County

<b>(Okc)Will Rogers Apt</b>	27	1902CST			0	7			<b>Lightning</b>
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Lightning struck nearby the UPS building at Will Rogers World Airport. Ground crew outside during the storm were affected by the lightning. Seven people were injured.

#### McClain County

<b>6 SSW Washington</b>	27	2000CST			0	0			<b>Thunderstorm Wind (MG52)</b>
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Wind gust was measured by the Oklahoma mesonet.

#### Custer County

<b>Clinton</b>	28	1610CST			0	0	20K		<b>Thunderstorm Wind (EG52)</b>
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Several large trees were uprooted on the south side of town. A home sustained some roof damage. An apartment roof was also



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					Killed	Injured	Property	Crops	

**OKLAHOMA, Western, Central and Southeast**

heavily damaged.

**TEXAS, Western North**

**Wilbarger County**

<b>Vernon Wilbarger Arp</b>	<b>10</b>	<b>2148CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (MG51)</b>
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Wind gust was measured by the KF05 AWOS station at the Vernon Airport. This wind gust may have been due to a dry microburst.

**TXZ083>090**

**Hardeman - Foard - Wilbarger - Wichita - Knox - Baylor - Archer - Clay**

<b>11</b>	<b>1200CST</b>				<b>0</b>	<b>0</b>			<b>Heat</b>
<b>31</b>	<b>2359CST</b>								

Temperatures rose to triple digits with higher heat indices and remained there for most of the month. Lows also only fell to 75 degrees or higher. The heat caused several calls for paramedics due to heat-related illnesses

**Knox County**

<b>Knox City</b>	<b>11</b>	<b>2140CST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
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**Knox County**

<b>Knox City</b>	<b>11</b>	<b>2140CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG52)</b>
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**Wilbarger County**

<b>1 ENE Harrold</b>	<b>14</b>	<b>1550CST</b>			<b>0</b>	<b>0</b>	<b>3.5K</b>		<b>Thunderstorm Wind (EG56)</b>
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Power poles were downed.

**Knox County**

<b>Vera</b>	<b>14</b>	<b>1733CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind (EG56)</b>
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Power lines downed along Highway 82.