



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1997

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

Kay County Tonkawa	10	1255CST			0	0			Hail (0.75)
Kay County 5 W Ponca City	10	1305CST			0	0	5K		Thunderstorm Wind
A 15x75-foot wooden horse barn was destroyed, and debris was blown into several other horse trailers.									
Kay County 1 SW Ponca City	10	1310CST			0	0	0.50K		Thunderstorm Wind
Trees and power lines were blown down.									
Kay County Countywide	10	1430CST			0	0			Flash Flood
Several roads in Kay County were closed due to high water.									
Woods County 16 N Freedom	10	1735CST			0	0			Thunderstorm Wind (G50)
measured at the Oklahoma Mesonet site.									
Comanche County Fletcher to Elgin	10	1800CST 2030CST			0	0			Flash Flood
Flash flooding of Tony Creek resulted in the flooding of one home and the emergency rescues of a total of 7 teenagers. Water in the creek, normally only a few inches deep, rose to an estimated 8-feet deep, cutting off one residence. Four teenagers in this house were rescued as the water rose to near the foundation. Three other teens were stranded in their car at the intersection of Hwy 277 and Tony Creek Rd and also had to be rescued.									
Comanche County 5 E Lawton	10	1800CST			0	0			Thunderstorm Wind (G52)
Caddo County 2 S Cogar	10	1815CST			0	0	20K		Thunderstorm Wind
Severe thunderstorm winds, probably associated with a thunderstorm downburst, blew the roof and patio off a trailer house. A light pole was also blown over onto a house and tin an 2x4 boards were forced into the ground.									
Comanche County 1 W Elgin	10	1830CST			0	0			Flash Flood
Up to 2.5 feet of water covered U.S. Highway 277.									
Caddo County Cyril	10	1900CST			0	0			Flash Flood
Water up to a foot deep covered roads in the business district.									
Caddo County 2 W Cyril	10	1915CST			0	0			Flash Flood
A bridge was partially washed out by high water.									
Comanche County Fletcher	10	2100CST			0	0			Flash Flood
Water rose curb-deep across town and covered sidewalks in some places.									
Comanche County 1 W Elgin	10	2145CST			0	0			Flash Flood
U.S. Highway 277 was closed due to high water.									
Summary of events of July 10, 1997:									
Two areas of severe and heavy thunderstorms in northern and southwestern Oklahoma caused serious flash flooding and isolated wind damage during the afternoon and evening of the 10th.									
In northern Oklahoma, severe thunderstorms caused damage west and southwest of Ponca City in Kay County and flash flooding was reported countywide across Kay County.									



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OKLAHOMA, Western, Central and Southeast

In southwestern Oklahoma, northeastern portions of Comanche County were particularly hard-hit. Localized heavy rain resulted in the flash flooding of Tony Creek and its tributaries, stranding several motorists and residents in the Fletcher and Elgin areas.

See preceding individual Storm Data entries for further details and additional reports.

Washita County Canute

11	1555CST			0	0	20K	Thunderstorm Wind
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Two tractor trailer trucks were blown over on Interstate 40, and numerous limbs were broken, trees were snapped, and power lines were downed.

Harmon County Hollis

11	1820CST			0	0	25K	Thunderstorm Wind
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Severe thunderstorm winds damaged fences and roofs, blew windows out, split or uprooted several trees, and destroyed one carport.

Harmon County 3 W Gould

11	1830CST			0	0		Thunderstorm Wind (G55)
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measured at the Oklahoma Mesonet site.

Jackson County 3 E Eldorado

11	1845CST			0	0	0.40K	Thunderstorm Wind
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Power poles were blown down.

Washita County 10 NE Willow

11	1935CST			0	0		Thunderstorm Wind (G56)
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measured at the Oklahoma Mesonet site.

Greer County Countywide

11	2200CST			0	0		Flash Flood
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Water covered Highway 6 south of Granite and Highway 283 east of Mangum. Many rural roads were flooded.

Jackson County 6 W Blair

11	2230CST			0	0		Flash Flood
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Rural roads were closed due to high water.

Kiowa County 6 S Lone Wolf

11	2230CST			0	0		Flash Flood
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A farm road was closed due to high water.

Summary of events of July 11, 1997:

Afternoon and evening severe thunderstorms moved across portions of southwestern Oklahoma, bringing strong winds and significant damage. By late evening, extended periods of heavy rain also began to cause flash flooding.

The strongest winds were measured near Willow in Greer County, where thunderstorm winds reached 64 mph. Damage was reported in Canute in Washita County, in Hollis in Harmon County, and east of Eldorado in Jackson County.

The most extensive flash flooding occurred in Greer County, with other reports of flash flooding near Lone Wolf in Kiowa and near Blair in Jackson County.

See preceding individual Storm Data entries for further information and additional reports.

Blaine County 2 E Southard

15	0755CST			0	0		Hail (1.25)
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Blaine County 2 E Southard

15	0755CST			0	0	0.01K	Thunderstorm Wind
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Four-inch diameter tree limbs were blown down.

Blaine County 7 N Watonga

15	0900CST			0	0		Hail (0.88)
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					Killed	Injured	Property	Crops	

OKLAHOMA, Western, Central and Southeast

Comanche County

Lake Lawtonka	15	1315CST			0	0			Hail (0.88)
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Garvin County

Lindsay	15	1335CST			0	0			Hail (0.75)
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McClain County

Wayne	15	1348CST			0	0			Hail (1.00)
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McClain County

Wayne	15	1348CST			0	0	2K		Thunderstorm Wind (G61)
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A roof was blown off a wellhouse, several trees were blown over, and several awnings were blown off buildings by winds estimated at 70 mph.

Coal County

5 N Cairo	15	1435CST			0	0			Hail (0.88)
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Marshall County

Madill	15	1515CST			0	0	0.40K		Thunderstorm Wind
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Power poles were blown down.

Seminole County

Cromwell	15	1625CST			0	0			Hail (1.00)
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Summary of events of July 15, 1997:

Daytime severe thunderstorms moved across portions of central and southern Oklahoma, bringing strong winds and large hail.

The largest reported hail fell east of Southard in Blaine County, where hail as large as half-dollars was observed. Significant wind damage occurred in Wayne in McClain County, where severe thunderstorm winds estimated at 70 mph damaged awnings, a wellhouse, and several trees. Other more minor damage was reported near Southard in Blaine County and in Madill in Marshall County.

See preceding individual Storm Data entries for further information and additional reports.

Kay County

3 N Braman	16	1810CST			0	0			Hail (0.88)
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Kay County

Nardin	16	1930CST			0	0			Hail (1.75)
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Kay County

Nardin	16	1935CST			0	0			Hail (1.75)
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Kay County

Tonkawa	16	2020CST			0	0			Flash Flood
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Water to a depth of up to three feet covered parts of town.

Kay County

Countywide	16	2100CST			0	0			Flash Flood
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Braman-Bender Road was closed east of Braman and numerous roads near Blackwell were also closed due to flash flooding.

Kay County

Ponca City	17	0200CST			0	2	35K		Lightning
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Lightning struck and set fire to a house, destroying the den and living areas. Two occupants of the house were injured in the fire.

Kay County

Ponca City	17	0815CST			0	0			Flash Flood
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Hubbard Road west of Waverly, State Highway and Hubbard Road at Highway 60, and Highland Extension just west of Ponca City were all closed.

Kay County

2 N Ponca City	17	0815CST			0	0			Flash Flood
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Radio Tower Road was closed due to flooding.



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OKLAHOMA, Western, Central and Southeast

Kay County

Braman	17	0830CST			0	0			Flash Flood
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Bender Road was closed due to high water.

Kay County

1 N Tonkawa	17	0830CST			0	0			Flash Flood
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Due to high water, 13th Street was closed near Stink Creek.

Payne County

3 SE Glencoe	17	1925CST			0	0			Hail (1.75)
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Payne County

Yale	17	1933CST			0	0	80K		Lightning
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Lightning struck and set fire to a house, destroying the home and its contents.

Payne County

Cushing	17	2100CST			0	0	0.01K		Thunderstorm Wind
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Severe thunderstorm winds downed numerous tree limbs.

Garfield County

4 E Garber	18	0020CST			0	0			Hail (1.00)
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Garfield County

4 E Garber	18	0020CST			0	0	0.01K		Thunderstorm Wind
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Limbs up to eight inches in diameter were blown down.

Garfield County

Waukomis	18	0030CST			0	0	5K		Thunderstorm Wind
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Severe thunderstorm winds downed large trees, broke plate glass windows, damaged signs, and snapped numerous tree limbs.

Grant County

3 E Renfrow	18	0100CST			0	0			Hail (1.75)
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Grant County

3 E Renfrow	18	0100CST			0	0	0.01K		Thunderstorm Wind
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Limbs up to four inches in diameter were blown down.

Grant County

Medford	18	0130CST			0	0	0.10K		Thunderstorm Wind
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Severe thunderstorm winds downed a large tree at a church.

Lincoln County

1 S Chandler	18	0203CST			0	0			Flash Flood
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The southbound lane of Highway 18 was blocked due to high water.

Kingfisher County

Hennessey	18	0300CST			0	0	50K		Lightning
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Lightning struck and set fire to a lawnmower repair shop, completely destroying the shop and two vehicles.

Hughes County

Holdenville	18	0715CST			0	0	100K		Lightning
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Lightning struck and set fire to a brick home, destroying the house and its contents.

Summary of events of evening of July 17, 1997 through the morning of July 18, 1997:

Nighttime thunderstorms moved through northern and central Oklahoma, producing large hail, severe winds, and flash flooding. The largest hail was reported southeast of Glencoe in Payne County, where hail reached the size of golf balls. Severe thunderstorm winds caused damage in Cushing in Payne County, in Waukomis and east of Garber in Garfield County, in Medford and east of Renfrow in Grant County. Flash flooding occurred in Lincoln County near Chandler.

See preceding individual Storm Data entries for further details and additional reports.



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OKLAHOMA, Western, Central and Southeast

Kay County Blackwell	18	2058CST			0	0			Flash Flood
Water covered Hwy 177 just south of town.									
Alfalfa County Goltry	19	0300CST			0	0			Flash Flood
Water covered Highway 45 including the towns of Goltry, Helena, and Carrier.									
Garfield County Countywide	19	0300CST			0	0	1M		Flash Flood
Numerous roads across the county were closed as water rose to depths of up to four feet. In all, nine bridges were destroyed or severely damaged and eight roads were indefinitely closed due to this bridge damage. County officials estimated total losses to the county (due to road and bridge damage) at \$1,000,000.									
Grant County 2 W Nash	19	0300CST			0	0			Flash Flood
Water washed over a small bridge on Highway 64.									
Kay County Ponca City	19	0310CST			0	0			Flash Flood
Roads in and near town were completely flooded.									
Noble County Countywide	19	0347CST			0	0			Flash Flood
Water was curb-deep in towns throughout the county.									
Garfield County Lahoma	19	0500CST 1030CST			0	0			Flash Flood
Turkey Creek flooded north and east of town and resulted in the closing of Highway 412. One farmer lost 31 head of cattle in the floodwaters. Numerous other animals were injured as Turkey Creek and its tributaries rose to near-record flood levels.									
Major County Eastern Half	19	0600CST 0800CST			0	0	50K		Flash Flood
The eastern half of Major County suffered extensive damage to roads and bridges due to flash flooding. County officials estimated the county's losses at \$50,000.									
Alfalfa County Cherokee	19	0700CST 1030CST			0	0			Flash Flood
Highway 64 from Jett to Cherokee was closed.									
Garfield County Enid	19	1000CST			0	0	5K		Flash Flood
A major flash flood on Turkey Creek resulted in the flooding of a house and a nearby mobile home trailer and necessitated the swift-water rescue of a family of four from this flooded home.									
Oklahoma County Harrah	19	1100CST			0	0			Flash Flood
Several cars stalled on roads that were nearly impassable due to the high water.									

Summary of events of July 19, 1997:

Slow-moving nighttime thunderstorms containing torrential rain moved across northern and central Oklahoma. With the ground already at or near saturation across much of the area, these thunderstorms triggered widespread flash flooding, particularly in north-central Oklahoma. Primarily in Garfield and eastern Major Counties, Turkey Creek, Indian Creek, and Sand Creek and their tributaries that normally only contain a scant foot of water swelled to 8 to 10 feet deep in less than 3 hours. Long time area residents could not recall a time when these creeks had ever been higher or risen as fast. Flood damage to county roads and bridges in these two counties was extensive, topping the million dollar mark.

See preceding individual Storm Data entries for further details and additional reports.



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OKLAHOMA, Western, Central and Southeast

Kiowa County Mountain View	21	1350CST			0	0	0.30K		Thunderstorm Wind
Severe thunderstorm winds blew down several trees and highway signs. A cotton warehouse and a barn also suffered roof damage.									
Washita County Cowden	21	1410CST			0	0			Hail (0.88)
Greer County 5 SE Mangum	21	1455CST			0	0			Thunderstorm Wind (G62)
measured at the Oklahoma Mesonet site									
Logan County Crescent	21	1500CST 1523CST			0	0	25K		Thunderstorm Wind
The east side of town was hardest hit by severe thunderstorm winds. Several homes and businesses were damaged by falling trees, a railroad crossing light was blown down, a gas pump was blown over, and a carwash canopy was destroyed by the severe thunderstorm winds. Numerous trees and power lines were also blown down.									
Logan County Crescent	21	1510CST			0	0			Hail (0.75)
Oklahoma County Oklahoma City	21	1557CST			0	0	1K		Thunderstorm Wind
A large tree was blown by severe winds onto a house at the 1500 block of NW 15th Street.									
Kingfisher County 3 SE Kingfisher	21	1610CST			0	0			Hail (1.00)
Oklahoma County Oklahoma City	21	1611CST			0	1	0.75K		Thunderstorm Wind
A person was injured when a large tree fell on a mobile home at the intersection of NW 14th Street and Classen Boulevard.									
Oklahoma County Oklahoma City	21	1613CST			0	0			Flash Flood
People had to be rescued from their stranded vehicle at the intersection of NW 23rd and Cross Street.									
Oklahoma County Oklahoma City	21	1623CST			0	0	0.50K		Thunderstorm Wind
Trees and power poles were blown over on the 1400 block of NW 100th Street.									
Oklahoma County Oklahoma City	21	1630CST			0	1	1K		Lightning
Lightning struck and split a tree at NW 15th Street and Classen Blvd. The falling tree hit the windshield of a minivan as it was passing by, injuring the driver of the van.									
Oklahoma County Oklahoma City	21	1651CST			0	0			Flash Flood
People had to be rescued from their stranded vehicle at the intersection of Kentucky and Linwood Streets.									
Payne County Perkins	21	1710CST			0	0			Hail (0.88)
Noble County 7 SE Red Rock	21	1740CST			0	0			Thunderstorm Wind (G50)
measured at the Oklahoma Mesonet site									
Noble County 7 SE Red Rock	21	1745CST			0	0			Thunderstorm Wind (G50)
measured at the Oklahoma Mesonet site									

Summary of events of July 21, 1997:



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OKLAHOMA, Western, Central and Southeast

Afternoon severe thunderstorms moved from southwestern Oklahoma into central and north-central Oklahoma, producing large hail and damaging thunderstorm winds. The largest hail was reported southeast of Kingfisher in Kingfisher County, where hail as large as quarters fell. The strongest measured wind speeds reached 71 mph at the Oklahoma Mesonet site southeast of Mangum in Greer County. Wind damage occurred in Mountain View in Kiowa County, in Crescent in Logan County, and in Oklahoma City in Oklahoma County.

See preceding individual Storm Data entries for further details and additional reports.

Johnston County									
Bromide	22	1345CST			0	0			Thunderstorm Wind (G56)
Garvin County									
Paoli	22	1407CST			0	0			Hail (0.88)
Garvin County									
Paoli	22	1407CST			0	0			Thunderstorm Wind (G61)
Pontotoc County									
6 SW Fittstown	22	1500CST			0	0			Hail (0.75)
Pontotoc County									
6 SW Fittstown	22	1500CST			0	0			Thunderstorm Wind (G61)
Cotton County									
Walters	22	1548CST			0	0			Hail (1.00)
Cotton County									
Temple	22	1600CST			0	0			Hail (0.88)

Summary of events of July 22, 1997:

Afternoon severe thunderstorms produced large hail and severe winds as they moved across portions of central and southern Oklahoma. Hail as large as quarters fell in Walters in Cotton County, and wind speeds reached an estimated 70 mph in Paoli in Garvin County and near Fittstown in Pontotoc County.

See preceding individual Storm Data entries for further details and additional reports.

Johnston County									
Tishomingo	29	1200CST			0	0	5.1K		Thunderstorm Wind
Severe thunderstorm winds blew a tree onto a gas meter, destroyed a dugout at the Tishomingo ballpark, and blew the roof off a mobile home north of town.									
Cotton County									
Walters	29	1620CST			0	0			Hail (1.00)
Cotton County									
Walters	29	1620CST			0	0	0.02K		Thunderstorm Wind

A section of a six-foot wood fence was blown over at a private residence.

TEXAS, North Central

Wilbarger County									
Vernon	10	1600CST			0	0	7K		Thunderstorm Wind
Severe thunderstorm winds downed trees, blew plate glass windows out of a hotel, and blew the roof off the bathrooms at the city park. Power lines were blown down, and several large tree limbs were broken. One large limb landed on a car, breaking out all of the car's windows.									
Clay County									
2 NW Bellevue	15	1650CST			0	0	10K		Thunderstorm Wind
An 18-wheeler was overturned on US Hwy 287 by severe thunderstorm winds.									
Clay County									
2 N Bellevue	15	1655CST			0	0	30K		Thunderstorm Wind



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TEXAS, North Central

Severe thunderstorm winds destroyed one mobile home and two barns and blew siding off of several other mobile homes. A 40x40 foot sign on high beams was blown down, and the tops of eight utility poles were blown off.

Clay County

1 SE Joy

15 1727CST 0 0 Hail (0.75)

Wichita County

Wichita Falls

22 1435CST 0 0 75K Lightning

Lightning struck and set fire to a house, completely destroying the home and its contents.

Wichita County

3 E Iowa Park

22 1445CST 0 0 4K Thunderstorm Wind

Severe thunderstorm winds blew the roof off a barn and blew a boat and camper over.

Wichita County

Wichita Falls

22 1445CST 0 0 25K Lightning

According to witnesses, lightning struck an antenna on a house, sending a fireball into the air which landed on a nearby apartment and set the apartment building on fire.