



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1997

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

Beckham County									
7 N Elk City	02	0728CST			0	0			Lightning
Lightning struck a fiberglass storage tank, causing it to explode and setting it on fire.									
Beckham County									
Sayre	02	1020CST			0	0	4K		Lightning
Lightning struck and set fire to a house, gutting the kitchen.									
Beckham County									
Sayre	02	1030CST			0	0	2K		Lightning
Lightning struck a house, destroying several appliances and blowing holes in the sheetrock and eaves.									
Caddo County									
8 N Apache	09	1436CST			0	0			Hail (0.75)
Comanche County									
4 E Elgin	09	1445CST			0	0			Hail (1.00)
Comanche County									
5 W Fletcher	09	1455CST			0	0			Hail (0.75)
at Lake Ellsworth									
Cleveland County									
2 SW Norman to 5 S Slaughterville	09	1500CST 1530CST			0	0	25K		Thunderstorm Wind (G61)
Severe thunderstorm winds caused scattered damage along a path from southwest of Norman to south of Slaughterville. A survey conducted the following day (June 10th) by a National Weather Service meteorologist revealed a path extending along the South Canadian River from 2 miles southwest of Norman to 5 miles south of Slaughterville with wind speeds estimated at 60 to 70 mph. The primary damage along this track was uprooted trees and a few areas of minor tree and limb damage near the beginning of the path. As the storm progressed toward Slaughterville, damage became more significant, with structural damage both west and south of Slaughterville. Specifically, power lines were downed 2 miles south of Noble, a barn was unroofed 1 mile east of Lexington, and power poles were broken 3.5 miles east of Lexington. One mile west of Slaughterville, the roof was blown off of an old frame house and 12 mobile homes in a mobile home park were damaged, including one that was completely unroofed. About 5 miles south of Slaughterville, a tree was blown over onto a house and pickup truck.									
Grady County									
6 SE Rush Springs	09	1500CST			0	0			Hail (1.75)
Comanche County									
Lawton	09	1515CST			0	0			Hail (1.75)
Grady County									
Rush Springs	09	1515CST			0	0			Hail (0.75)
Stephens County									
2 E Marlow	09	1515CST			0	0	0.10K		Thunderstorm Wind
Several trees were toppled by severe thunderstorm winds.									
Beckham County									
9 W Sayre	09	1520CST			0	0			Hail (1.00)
Grady County									
4 SE Rush Springs	09	1520CST			0	0			Thunderstorm Wind (G52)
McClain County									
Goldsby	09	1520CST			0	0	2.5K		Thunderstorm Wind
Severe thunderstorm winds blew the roof off a barn in Goldsby on Highway 74 and blew a tractor-trailer rig over on I-35, completely closing the north-bound lanes of the interstate for 2 hours.									
Comanche County									
4 E Lawton	09	1535CST			0	0			Hail (1.00)
at KSWO TV									
Beckham County									
4 S Elk City	09	1558CST			0	0			Hail (0.75)



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OKLAHOMA, Western, Central and Southeast

Stephens County 9 NW Duncan	09	1600CST			0	0			Hail (0.75)
Beckham County 5 N Carter	09	1605CST			0	0			Hail (1.75)
Grady County 12 SE Alex	09	1610CST			0	0			Hail (1.00)
Washita County 1 W Sentinel	09	1615CST			0	0			Hail (1.75)
Cotton County 5 S Hulen	09	1625CST			0	0			Hail (0.75)
Garvin County Foster	09	1629CST			0	0			Hail (1.75)
Stephens County 1 E Marlow	09	1630CST			0	0	0.10K		Thunderstorm Wind
Severe thunderstorm winds downed trees and tree limbs.									
Carter County 3 S Ratliff City	09	1652CST			0	0			Hail (1.00)
Pontotoc County 3 NE Ada	09	1700CST			0	0	0.40K		Thunderstorm Wind
Power poles were blown down 3.5 miles east of Hwy 99.									
Pontotoc County 6 NE Ada	09	1715CST			0	0	12K		Thunderstorm Wind
Severe thunderstorm winds blew two small barns away and damaged the roofs of several homes. Eleven power poles were blown down in Oakman and trees were downed across several roads.									
Pontotoc County 4 NE Ada	09	1715CST			0	0	40K		Thunderstorm Wind
One mobile home and ten barns were destroyed by severe thunderstorm winds. Numerous trees were blown down, blocking several roads.									
Carter County 1 N Milo	09	1720CST			0	0			Hail (0.75)
Jefferson County 1 N Ringling	09	1725CST			0	0			Hail (0.88)
Beckham County 7 SW Carter	09	1730CST			0	0			Hail (1.00)
Stephens County Comanche	09	1730CST			0	0	0.10K		Thunderstorm Wind
Trees were blown down across a roadway.									
Kiowa County 8 N Mountain Park	09	1740CST			0	0			Hail (0.75)
Carter County Ardmore	09	1745CST			0	0	10K		Thunderstorm Wind
Severe thunderstorm winds at the downtown airport broke one plane from its tie-downs and blew it into 2 others, damaging all three aircraft.									
Greer County 6 SW Mangum	09	1750CST			0	0			Hail (0.75)
Jackson County 1 W Blair	09	1758CST			0	0			Hail (1.50)



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OKLAHOMA, Western, Central and Southeast

Jackson County

Blair **09** **1804CST** **0** **0** **Hail (2.00)**

Love County

2 W Courtney **09** **1805CST** **0** **0** **Hail (1.00)**

Coal County

5 N Centrahoma **09** **1810CST** **0** **0** **Hail (0.75)**

Coal County

5 N Centrahoma **09** **1810CST** **0** **0** **0.01K** **Thunderstorm Wind**

Several three to four inch diameter tree limbs were blown down.

Bryan County

Durant **09** **1830CST** **0** **0** **0.20K** **Thunderstorm Wind**

Power lines were blown down.

Carter County

Ardmore **09** **1830CST** **0** **1** **25K** **Flash Flood**

Run-off from torrential rain (about 2 inches in 45 minutes) swept two motorists into swift floodwaters and resulted in rapid-water rescues in both of the incidents. In the first incident, a woman driving a mini-van pulled into a parking lot to await the end of the downpour, but was washed by runoff into a nearby, full drainage ditch. The water in the ditch completely submerged the van with the woman trapped inside. She survived by breathing the air that was trapped in a shallow bubble at the ceiling of the van. A police officer, with the help of 2 bystanders, was finally able to break a window and pull her from the van. The woman was treated for shock and hypothermia, but was otherwise uninjured. Her van, valued at \$20,000, was totalled.

In the second incident, a man driving a car across a flooded low-water bridge was swept into a creek. He escaped from the car and was pulled to shore by nearby residents with a garden hose. Damage to the vehicle was estimated at \$5000.

Marshall County

4.5 SE Lebanon **09** **1830CST** **0** **0** **Thunderstorm Wind (G51)**

measured at the Oklahoma Mesonet site

Marshall County

8 W Madill **09** **1830CST** **0** **0** **Thunderstorm Wind (G61)**

Kiowa County

Snyder **09** **1835CST** **0** **0** **Hail (0.88)**

Marshall County

Madill **09** **1844CST** **0** **0** **8K** **Thunderstorm Wind (G61)**

Severe thunderstorm winds up to 70 mph blew the roof off a realtor's office and destroyed a storage building. The high school scoreboard was damaged and a tree was blown over onto an archway at a city park. Numerous other trees were downed, as well as power lines and signs throughout town.

Jackson County

Martha **09** **1845CST** **0** **0** **Hail (2.75)**

Comanche County

Sterling **09** **1848CST** **0** **0** **Hail (1.75)**

Comanche County

Medicine Park **09** **1856CST** **0** **0** **Hail (1.00)**

Bryan County

2 W Caddo **09** **1900CST** **0** **0** **Hail (1.75)**

Jackson County

Altus **09** **1900CST** **0** **0** **1K** **Hail (1.75)**

Hail slightly larger than golf balls broke the windows out of a pickup truck.

Comanche County

5 W Cache **09** **1905CST** **0** **0** **Hail (0.88)**



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					Killed	Injured	Property	Crops	

OKLAHOMA, Western, Central and Southeast

Stephens County									
1 N Marlow	09	1913CST			0	0			Hail (1.75)
Comanche County									
Lawton	09	1916CST 1920CST			0	0			Hail (1.00)
Atoka County									
3 S Caney	09	1925CST			0	0			Hail (0.75)
Bryan County									
Durant	09	1930CST			0	0			Hail (0.75)
Stephens County									
Marlow	09	1930CST			0	0			Hail (1.75)
Cotton County									
5 N Randlett	09	1935CST			0	0			Hail (1.00)
Cotton County									
5 SW Randlett	09	1945CST			0	0			Hail (0.88)
Bryan County									
Durant	09	2006CST			0	0	0.10K		Thunderstorm Wind

Severe thunderstorm winds downed trees as large as 2 feet in diameter.

Summary of events of June 9, 1997:

Severe thunderstorms developed and moved across the southern half of Oklahoma during the afternoon and evening of the 9th. Reports of large hail and severe thunderstorm winds and wind damage were widespread across the region, with isolated flash flooding in Ardmore in Carter County.

The flash floods in the Ardmore area resulted in two swift-water rescues. The largest hail (up to the size of baseballs) was reported in Martha in Jackson County, but numerous reports of golf ball-sized hail were received from across the region. The strongest estimated wind speeds reached 70 mph from Norman to Slaughterville in Cleveland County and in and west of Madill in Marshall County.

The resulting damage from the strong winds was most significant in the Slaughterville area of Cleveland County, with major damage to homes and outbuildings. Other structural damage occurred in Goldsby in McClain County, northeast of Ada in Pontotoc County, in Ardmore in Carter County, and in Madill in Marshall County. Reports of damage to trees or power lines came from Comanche and east of Marlow in Stephens County, north of Centrahoma in Coal County, and Durant in Bryan County.

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

Blaine County									
Canton	11	1015CST			0	0	3K		Thunderstorm Wind (G52)

Limbs up to 8 inches in diameter were blown down across a widespread area on the north side of town. Trees were also uprooted, a carport was destroyed, and a barn was severely damaged by the severe winds.

Blaine County									
Watonga	11	1025CST			0	0			Hail (0.75)
Canadian County									
Karns	11	1305CST			0	0			Hail (1.25)
Canadian County									
Calumet	11	1330CST			0	0			Hail (0.75)
Cleveland County									
Norman	11	1400CST			0	0	9.5K		Lightning

Lightning struck a house, setting the attic on fire.

Pontotoc County									
Oil Center	11	1430CST			0	0			Lightning

Lightning struck an oil storage tank and set it on fire.



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OKLAHOMA, Western, Central and Southeast

Summary of midday events of June 11, 1997:

Midday thunderstorms moved across central Oklahoma, bringing severe winds, large hail, and lightning damage. Hail as large as half dollars fell in Karns in Canadian County. Winds estimated at 60 mph caused widespread tree damage and limited structural damage in Canton in Blaine County. Lightning from the storms set fires in Norman in Cleveland County and in Oil Center in Pontotoc County. See preceding individual Storm Data entries for further details and additional reports.

Kiowa County 4 SE Hobart	11	2215CST			0	0			Thunderstorm Wind (G51)
measured at the Oklahoma Mesonet site									
Kiowa County 4 SE Hobart	11	2220CST			0	0			Thunderstorm Wind (G52)
measured at the Oklahoma Mesonet site									
Ellis County 7 N Gage	12	1930CST			0	0			Hail (0.75)
Ellis County 2 SW Goodwin	12	2027CST			0	0			Hail (0.88)
Beckham County 1 W Sweetwater	12	2030CST			0	0			Hail (1.75)
Roger Mills County 5 NW Sweetwater	12	2030CST			0	0			Hail (0.88)
Harper County 7 NW Laverne	12	2035CST			0	0			Hail (1.75)
Harper County 1 SW Buffalo	12	2050CST			0	0			Thunderstorm Wind (G50)
measured at the Oklahoma Mesonet site									
Roger Mills County Cheyenne	12	2130CST			0	0			Hail (1.00)
Woodward County 6 SE Quinlan	12	2200CST			0	0			Hail (0.75)
Alfalfa County 3 N Lambert	12	2215CST			0	0			Hail (1.00)
Beckham County 5 SW Elk City	12	2215CST			0	0			Hail (0.88)
Woods County Alva	12	2215CST			0	0			Thunderstorm Wind (G52)
measured at the Oklahoma Mesonet site									
Alfalfa County Cherokee	12	2230CST			0	0			Thunderstorm Wind (G52)
Washita County Burns Flat	12	2230CST			0	0	0.01K		Thunderstorm Wind
Tree limbs up to six inches in diameter were blown down.									
Canadian County 6 NW Karns	12	2245CST			0	0			Thunderstorm Wind (G56)
Washita County Retrop	12	2250CST			0	0			Hail (0.75)
Blaine County Canton	12	2300CST			0	0	6K		Thunderstorm Wind

A barn, damaged by severe thunderstorm winds the day before, was completely destroyed. Also, tin on the front of a mini-mall was damaged.



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OKLAHOMA, Western, Central and Southeast

Kay County

Blackwell	12	2330CST 2345CST			0	0	1K		Thunderstorm Wind (G52)
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Numerous limbs were downed and trees were uprooted in Blackwell and half of the roof was blown off a barn southwest of town by severe thunderstorm winds estimated at 60 mph.

Noble County

4 NE Billings	12	2330CST			0	0			Hail (0.75)
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Kay County

Ponca City	12	2343CST			0	0			Hail (0.75)
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Noble County

Perry	13	0000CST			0	0	0.20K		Thunderstorm Wind
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Severe thunderstorms winds downed numerous limbs throughout Perry and snapped two power poles.

Payne County

8 W Stillwater	13	0010CST			0	0			Hail (0.88)
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Noble County

2 SE Marland	13	0015CST			0	0			Thunderstorm Wind (G52)
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Payne County

Cushing	13	0040CST			0	0	8.5K		Thunderstorm Wind
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Severe thunderstorm winds destroyed a hay barn just south of Cushing. Debris from the barn was then blown onto a truck, breaking its windows, and into a neighboring house. Also, power poles were broken and numerous limbs were downed throughout Cushing.

Cleveland County

Norman	13	0230CST			0	0			Hail (0.75)
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on the northwest side of town

Carter County

Ardmore	13	0239CST			0	0			Hail (1.00)
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Carter County

1 N Lone Grove	13	0241CST			0	0			Hail (1.75)
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Mcclain County

Purcell	13	0258CST			0	0			Hail (0.88)
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Love County

5 N Marietta	13	0300CST			0	0			Hail (0.75)
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Cleveland County

Norman	13	0302CST			0	0			Flash Flood
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High water covered the intersection of Rock Creek Road and Flood Avenue.

Marshall County

2 NW Mcmillan	13	0305CST			0	0			Hail (0.88)
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Marshall County

Kingston	13	0320CST			0	0			Hail (0.88)
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Bryan County

5 W Utica	13	0400CST			0	0			Hail (0.75)
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Summary of events of June 12, 1997 to early morning of June 13, 1997:

During the evening of the 12th, severe thunderstorms moved into northwestern Oklahoma from the Texas panhandle. Through the evening, these storms spread across northern Oklahoma, and other areas of storms developed and moved across north-central and central Oklahoma. By early morning of the 13th, the thunderstorms had spread into south-central Oklahoma. Reports of large hail and damaging winds were the most common, although isolated flash flooding occurred in Norman in Cleveland County.

The largest hail (up to the size of golf balls) fell near Sweetwater in Beckham County, northwest of Laverne in Harper County, and near Lone Grove in Carter County. The highest estimated wind speed was 65 mph northwest of Karns in Canadian County. Wind damage was reported in Burns Flat in Washita County, in Canton in Blaine County, in Blackwell in Kay County, in Perry in Noble



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OKLAHOMA, Western, Central and Southeast

County, and in Cushing in Payne County.

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

Choctaw County
Hugo

13 1500CST 0 0 Lightning

Lightning struck the top of a brick building in downtown Hugo, showering bricks onto the street below.

Choctaw County
Messer

13 1515CST 0 0 Hail (1.00)

Tillman County
Davidson

14 2040CST 0 0 Thunderstorm Wind (G52)

Tillman County
Frederick

14 2110CST 0 0 Thunderstorm Wind (G52)

Tillman County
Frederick

14 2120CST 0 0 Lightning

Lightning struck the main substation, knocking out electrical power across most of the town. Power was out in most areas through Sunday morning, June 15.

Ellis County

2 S Shattuck

15 2100CST 0 0 Hail (0.75)

Alfalfa County

Burlington

16 1415CST 0 0 Hail (0.88)

Woodward County

Woodward

16 1510CST 0 0 Hail (0.75)

3/4-inch hail covered the ground.

Woodward County

5 W Mooreland

16 1523CST 0 0 Hail (0.75)

Woods County

12 N Alva

16 1530CST 0 0 Hail (1.00)

Quarter-sized hail covered about 70 percent of the ground.

Grant County

5 NW Medford

16 1600CST 0 0 Hail (1.00)

Quarter-size hail was up to three inches deep.

Grant County

5 NW Medford

16 1600CST 0 0 Thunderstorm Wind (G61)

Grant County

1 SW Medford

16 1600CST 0 0 Thunderstorm Wind (G51)

measured at the Oklahoma Mesonet site

Grant County

3 N Medford

16 1610CST 0 0 Hail (1.00)

Quarter-sized hail covered the ground over an area three miles wide by seven miles long.

Grant County

1 SW Medford

16 1610CST 0 0 Thunderstorm Wind (G51)

measured at the Oklahoma Mesonet site

Alfalfa County

4 SE Aline

16 1630CST 0 0 Hail (1.00)

Woods County

6 SE Avard

16 1630CST 0 0 Hail (1.00)



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OKLAHOMA, Western, Central and Southeast

Major County									
2.5 N Cleo Springs	16	1640CST			0	0			Hail (1.75)
Kay County									
Tonkawa	16	1700CST			0	0	25K		Hail (1.75)
A combination of hail as large as golf balls and strong winds caused widespread damage in Tonkawa, particularly over an 11-block area on the north side of town. Roofs were severely damaged and windows were broken in both vehicles and houses. Large tree limbs were downed and trees were uprooted by winds estimated at up to 70 mph.									
Kay County									
2 N Tonkawa	16	1712CST			0	0			Hail (1.75)
Golfball-sized hail covered the ground.									
Pushmataha County									
Clayton	16	1720CST			0	0			Hail (1.00)
Grant County									
2 NW Medford to 2 E Nardin	16	1725CST 1740CST			0	0			Hail (1.75)
Hail as large as golf balls cut a swath across central and eastern Grant and western Kay Counties. Wheat crops along this path were completely destroyed. On Highway 11 between Deer Creek and Nardin, hail covering the highway to depths of up to 8 inches forced motorists to stop. Some homes in Deer Creek were reportedly damaged by the large hail.									
Kay County									
Ponca City	16	1740CST			0	0			Thunderstorm Wind (G61)
Winds were estimated at 60 to 70 mph on the west side of Ponca City.									
Beckham County									
Sayre	16	1810CST			0	0	0.50K		Thunderstorm Wind
Severe thunderstorm winds blew down a large Texaco sign at the Sayre exit off I-40.									
Kay County									
Ponca City	16	1810CST			0	0			Flash Flood
Both Hartford Street and South Avenue Street were closed due to high water.									
Beckham County									
Elk City	16	1815CST			0	0			Hail (1.00)
Beckham County									
Elk City	16	1815CST			0	0	0.10K		Thunderstorm Wind
Eight to ten inch diameter trees and limbs were blown down by the strong winds.									
Kay County									
Ponca City	16	1815CST			0	0			Flash Flood
Two people were rescued from their flooded vehicles on Albany Street.									
Kay County									
Ponca City	16	1818CST			0	0			Flash Flood
One person was rescued from their flooded vehicle at the intersection of 7th and Gray Street.									
Love County									
Marietta	16	1821CST			0	0			Thunderstorm Wind (G52)
Tree limbs were blown down by the high winds.									
Custer County									
5 SW Butler	16	1830CST			0	0			Thunderstorm Wind (G50)
measured at the Oklahoma Mesonet site									
Marshall County									
Kingston	16	1830CST			0	0	1.5K		Thunderstorm Wind
A storage building was destroyed and shingles were blown from the roof at a nursing home.									



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OKLAHOMA, Western, Central and Southeast

Roger Mills County									
11 S Cheyenne	16	1830CST			0	0			Hail (0.88)
Custer County									
Arapaho	16	1845CST			0	0	0.10K		Thunderstorm Wind
A large tree was blown over by the high winds.									
Kay County									
Ponca City	16	1900CST			0	0			Flash Flood
Seven homes were flooded.									
Custer County									
5 W Custer City	16	1910CST			0	0	0.01K		Thunderstorm Wind
Tree limbs were blown down.									
Marshall County									
2 W Madill	16	1911CST			0	0			Hail (0.88)
Jackson County									
2 NE Eldorado	16	1915CST			0	0	5K		Thunderstorm Wind (G58)
Severe thunderstorm winds up to 67 mph peeled the roof off of a mobile home.									
Kay County									
8 E Newkirk	16	1915CST			0	0			Thunderstorm Wind (G55)
measured at the Oklahoma Mesonet site									
Jackson County									
Eldorado	16	1920CST			0	0			Thunderstorm Wind (G58)
Johnston County									
Mannsville	16	1920CST			0	0	0.10K		Thunderstorm Wind
Severe thunderstorm winds toppled trees.									
Custer County									
4 WSW Weatherford	16	1925CST			0	0			Thunderstorm Wind (G52)
measured at the Oklahoma Mesonet site									
Kay County									
Ponca City	16	1926CST			0	0			Flash Flood
Waverly Street was closed due to high water.									
Custer County									
4 WSW Weatherford	16	1930CST			0	0			Thunderstorm Wind (G56)
measured at the Oklahoma Mesonet site									
Custer County									
4 WSW Weatherford	16	1935CST			0	0			Thunderstorm Wind (G52)
measured at the Oklahoma Mesonet site									
Stephens County									
Empire City	16	1937CST			0	0			Hail (1.75)
Garvin County									
4 SW Pauls Valley	16	1945CST			0	0			Hail (1.25)
Hughes County									
2 E Holdenville	16	1945CST			0	0	0.10K		Thunderstorm Wind (G52)
Severe thunderstorm winds estimated at over 60 mph uprooted trees and caused extensive limb damage.									
Garvin County									
1 S Pauls Valley	16	1950CST			0	0			Hail (1.75)



National Weather Service

Storm Data and Unusual Weather Phenomena



June 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

Blaine County 4 NW Hydro	16	2000CST			0	0	0.50K		Thunderstorm Wind
Severe winds damaged several buildings, including blowing a door off a barn.									
Jackson County Altus	16	2000CST			0	0	4.5K		Thunderstorm Wind
Five electric poles were blown over and four hangar doors were blown out at the Municipal Airport. Tree branches were reported down over all of the surrounding area.									
Tillman County 4 S Tipton	16	2000CST			0	0			Thunderstorm Wind (G52)
measured at the Oklahoma Mesonet site									
Stephens County Comanche	16	2010CST			0	0	25K		Thunderstorm Wind (G69)
Severe winds estimated at 75 to 80 mph caused widespread tree, limb, and structural damage in Comanche. Significant damage occurred at the high school gymnasium, where a large window was blown in and northeast portions of the roof were torn off. Damage to the gym was assessed at \$22,600. At a city park, the fuel tanks were ripped from a plane on permanent display, and in downtown the siding was torn from a warehouse building. Carports and large trees also suffered major damage throughout town.									
Cleveland County 1 SW Norman	16	2013CST			0	0			Hail (0.88)
Garvin County 1 N Paoli	16	2017CST			0	0			Thunderstorm Wind (G52)
Tillman County Davidson	16	2017CST			0	0			Thunderstorm Wind (G65)
Stephens County Marlow	16	2020CST			0	0			Hail (1.75)
Hughes County 3 E Holdenville	16	2025CST			0	0			Hail (0.88)
Comanche County 4 E Lawton	16	2028CST			0	0			Thunderstorm Wind (G52)
Pottawatomie County Shawnee	16	2028CST			0	0	0.10K		Thunderstorm Wind
Severe thunderstorm winds downed and split large trees, blocking several roads.									
McClain County Purcell	16	2030CST			0	0			Hail (1.00)
Stephens County Marlow	16	2030CST			0	0	0.10K		Thunderstorm Wind
Severe thunderstorm winds downed a large tree and knocked out power to the eastern part of town.									
Tillman County 3 WNW Grandfield	16	2035CST			0	0			Thunderstorm Wind (G50)
measured at the Oklahoma Mesonet site									
Seminole County Seminole	16	2040CST			0	0	50K		Thunderstorm Wind (G61)
Severe thunderstorm winds up to 70 mph caused widespread damage in Seminole. The greatest damage occurred at a motel where the roof was torn off and debris damaged dozens of cars. Signs, trees, and limbs were blown down throughout town.									
Grady County Rush Springs	16	2044CST			0	0			Hail (1.75)
Stephens County 4 S Duncan	16	2045CST			0	0			Hail (1.00)



National Weather Service

Storm Data and Unusual Weather Phenomena



June 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

Hughes County

Gerty	16	2050CST			0	0			Flash Flood
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Streams overflowed and water covered county roads.

Tillman County

3 WNW Grandfield	16	2050CST			0	0			Thunderstorm Wind (G54)
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measured at the Oklahoma Mesonet site

Hughes County

4 SE Gerty	16	2052CST			0	0			Hail (0.88)
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Stephens County

Duncan to 4 W Duncan	16	2057CST			0	0			Hail (0.88)
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Seminole County

12 E Seminole	16	2100CST			0	0			Hail (4.00)
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Spotters reported 4-inch hail just north of Highway 9 on Highway 56 east of Seminole.

Seminole County

Wewoka	16	2100CST			0	0	0.10K		Thunderstorm Wind
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Severe winds downed large tree limbs.

Carter County

2.5 N Ratliff City	16	2109CST			0	0			Hail (1.00)
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Carter County

Tussy	16	2114CST			0	0			Hail (1.75)
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Stephens County

Duncan	16	2115CST			0	0	1K		Thunderstorm Wind
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A carport was destroyed and windows were broken out of a residence in southeast Duncan.

Seminole County

Seminole	16	2120CST			0	0			Hail (1.75)
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Carter County

2 W Overbrook	16	2210CST			0	0			Thunderstorm Wind (G61)
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Stephens County

Comanche	16	2212CST			0	0			Flash Flood
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Highway 81 from Comanche south to the Jefferson county line was closed due to high water.

Stephens County

2 S Comanche	16	2215CST			0	0			Flash Flood
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Highway 81 was closed due to the high water.

Summary of events of June 16, 1997:

Severe thunderstorms developed and moved across much of Oklahoma during the afternoon and evening of the 16th. Numerous reports of large hail, damaging thunderstorm winds, and flash flooding were received from across the region.

The largest hail fell east of Seminole in Seminole County, where grapefruit-sized hail was reported. Elsewhere, a combination of strong winds and hail as large as golf balls caused extensive damage in Tonkawa in Kay County and across much of Grant County.

The strongest estimated wind speed during the event was 80 mph in Comanche in Stephens County, which suffered widespread tree, limb, and structural damage. Other major structural damage was reported in Kingston in Marshall County, northeast of Eldorado and in Altus in Jackson County, northwest of Hydro in Blaine County, in Seminole in Seminole County, and in Duncan in Stephens County. More minor damage, mainly to trees and utility poles, occurred in Sayre and Elk City in Beckham County, in Marietta in Love County, in Arapaho and west of Custer City in Custer County, in Mannsville in Johnston County, east of Holdenville in Hughes County, in Shawnee in Pottawatomie County, in Marlow in Stephens County, and in Wewoka in Seminole County.

Flash flooding was particularly severe in Ponca City in Kay County, where several people were rescued from flooded vehicles and



National Weather Service

Storm Data and Unusual Weather Phenomena



June 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

seven homes were flooded. Flash flooding was also reported in Gerty in Hughes County and in and around Comanche in Stephens County.

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

Love County

2 W Marietta	22	1630CST			0	0	10K		Thunderstorm Wind
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A large metal machine shed (open to the south) was completely flipped over by severe thunderstorm winds.

Woods County

12 NE Camp Houston	25	1840CST			0	0			Hail (1.25)
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Woods County

12 NE Camp Houston	25	1845CST			0	0			Hail (1.75)
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Grant County

3 E Renfrow	25	1850CST			0	0			Hail (0.75)
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Hughes County

5 S Calvin	26	1630CST			0	0	0.01K		Thunderstorm Wind
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Severe thunderstorm winds damaged trees south of Calvin.

Blaine County

11 S Canton	27	1605CST			0	0	0.40K		Thunderstorm Wind
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Severe thunderstorm winds downed power poles.

Custer County

5 SW Butler	27	1615CST			0	0			Thunderstorm Wind (G53)
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measured at the Oklahoma Mesonet site

Canadian County

El Reno	28	0900CST			0	0			Flash Flood
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Flooding occurred over the north and west side of El Reno along Fourmile Creek connecting the North Canadian River and Lake El Reno. Many roads and properties were under water of various depth. Also, some streets on the south side of El Reno near Highway 81 were impassable due to the high water.

Grant County

Wakita	29	1800CST			0	0	0.40K		Thunderstorm Wind
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A few power poles were blown down.

Kay County

5 E Braman	29	1800CST			0	0	0.01K		Thunderstorm Wind (G65)
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Several 6-8 inch diameter tree limbs were blown down by severe thunderstorm winds estimated at 70 to 75 mph.

Harmon County

3 W Gould	29	1820CST			0	0			Thunderstorm Wind (G62)
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measured at the Oklahoma Mesonet site

Kay County

8 E Newkirk	29	1825CST			0	0			Thunderstorm Wind (G53)
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measured at the Oklahoma Mesonet site

Grant County

3 SW Renfrow	29	1830CST			0	0			Flash Flood
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Wakita Road was impassable due to high water.

Kay County

8 E Newkirk	29	1830CST			0	0			Thunderstorm Wind (G53)
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measured at the Oklahoma Mesonet site

Kay County

4 SE Blackwell	29	1835CST			0	0			Thunderstorm Wind (G53)
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National Weather Service

Storm Data and Unusual Weather Phenomena



June 1997

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

			measured at the Oklahoma Mesonet site						
Kay County									
8 E Newkirk	29	1835CST			0	0			Thunderstorm Wind (G56)
			measured at the Oklahoma Mesonet site						
Alfalfa County									
6 W Manchester	29	1840CST			0	0			Hail (0.75)
Alfalfa County									
6 W Manchester	29	1840CST			0	0	0.25K		Thunderstorm Wind
			Severe winds blew the door off a barn.						
Grant County									
Deer Creek	29	1845CST			0	0			Hail (0.75)
Grant County									
Medford	29	1850CST			0	0			Hail (1.00)
Grant County									
1 SW Medford	29	1905CST			0	0			Thunderstorm Wind (G58)
			measured at the Oklahoma Mesonet site						
Harmon County									
6 SSE Gould	29	1915CST			0	0	0.01K		Thunderstorm Wind
			Two-inch diameter tree limbs were blown from trees.						
Grant County									
Pond Creek	29	1930CST			0	0	0.01K		Thunderstorm Wind
			Numerous small tree limbs were downed.						
Alfalfa County									
4 E Byron	29	1950CST			0	0			Hail (1.00)
Alfalfa County									
4 E Byron	29	1950CST			0	0	0.40K		Thunderstorm Wind (G61)
			Power poles were blown down by winds up to 70 mph.						
Garfield County									
Lahoma	29	2000CST			0	0	0.10K		Thunderstorm Wind
			Severe thunderstorm winds downed numerous limbs and small trees.						
Noble County									
7 N Perry	29	2002CST			0	0			Hail (1.00)
Alfalfa County									
Byron	29	2030CST			0	0			Hail (1.00)
Alfalfa County									
2 E Byron	29	2030CST			0	0	1K		Thunderstorm Wind
			A metal grainery silo was destroyed.						
Alfalfa County									
Byron	29	2030CST			0	0	25K		Thunderstorm Wind
			A trailer house, wooden barn, and small metal barn were destroyed.						
Grant County									
Medford	29	2030CST			0	0			Hail (1.00)
Noble County									
.5 S Lake Memurtry	29	2043CST			0	0			Hail (1.00)
Payne County									
9 ENE Stillwater	29	2043CST			0	0			Hail (1.00)



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Storm Data and Unusual Weather Phenomena



June 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

Woods County 4 NW Capron	29	2050CST			0	0			Hail (0.75)
Alfalfa County Byron	29	2100CST			0	0			Flash Flood
Several county roads were under water.									
Payne County Lake Carl Blackwell	29	2104CST			0	0			Thunderstorm Wind (G52)
Logan County Guthrie	29	2120CST			0	0	0.01K		Thunderstorm Wind
Numerous tree limbs were blown down.									
Grant County 3 N Medford	29	2130CST			0	0			Flash Flood
Highway 81 three miles north of Medford was under water.									
Grant County 3 E Medford	29	2130CST			0	0			Flash Flood
Highway 11 three miles east of Medford was under water.									
Grant County 3 S Medford	29	2130CST			0	0			Flash Flood
Highway 81 two to three miles south of Medford was under water.									
Alfalfa County 1 SW Cherokee	29	2135CST			0	0			Thunderstorm Wind (G55)
measured at the Oklahoma Mesonet site									
Alfalfa County 1 SW Cherokee	29	2145CST			0	0			Thunderstorm Wind (G52)
measured at the Oklahoma Mesonet site									
Grant County 2 S Nash	29	2145CST			0	0	0.01K		Thunderstorm Wind
Tree limbs 6-8 inches in diameter were blown from trees.									
Alfalfa County Countywide	29 30	2200CST 0300CST			0	0			Flash Flood
Eight bridges were washed out and numerous dams were broken across Alfalfa County, prompting the county commissioners to declare a state of emergency.									
Lincoln County 3 NW Stroud	29	2200CST			0	0	0.10K		Thunderstorm Wind
A tree of unknown size blocked the road at the intersection of Highways 99 and 66.									
Lincoln County Chandler	29	2230CST			0	0	35K		Lightning
Lightning struck and set fire to a garage and a motor home, destroying both. Damage was estimated at \$35,000.									
Oklahoma County Harrah	29	2234CST			0	0	27K		Lightning
Lightning struck and set fire to a garage, destroying the structure. The garage and contents, including a boat and motor home, were valued at \$27,000.									
Seminole County 2 S Little	29	2330CST			0	0	1.5K		Thunderstorm Wind
One-quarter of the roof was blown off a house, and trees as large as six inches in diameter were blown over.									



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June 1997

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OKLAHOMA, Western, Central and Southeast

Kay County Countywide

	30	0025CST			0	0			Flash Flood
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Numerous low-lying roads were under water across the county. Also, Highway 11 between Ponca City and Blackwell was under water.

Blaine County 8 W Geary

	30	0400CST			0	0			Hail (0.75)
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Summary of events of June 29, 1997 through early morning of June 30, 1997:

Evening severe thunderstorms moved across portions of north-central and central Oklahoma, producing severe damaging winds, large hail, and some flash flooding. The highest measured wind speed reached 67 mph at the Oklahoma Mesonet site near Medford in Grant County. Structural damage occurred in Alfalfa County west of Manchester and in and east of Byron and south of Little in Seminole County. Tree and power pole damage was reported in Grant County in Wakita and south of Nash, in Kay County east of Braman and in Pond Creek, in Logan County in Guthrie, and in Alfalfa County east of Byron.

Hail up to quarter-size fell in many locations across north-central Oklahoma, including Medford (Grant County), in and east of Byron (Alfalfa County), north of Perry and near Lake McMurtry (Noble County), and east of Stillwater (Payne County).

Flash flooding was particularly widespread across most of Kay and Alfalfa Counties and in the Medford area of Grant County. Other reports of flash flooding were received from southwest of Renfrow in Grant County.

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

TEXAS, North Central

Wilbarger County Vernon

	03	1010CST			0	0			Hail (1.00)
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Archer County Lake Kickapoo

	12	1932CST			0	0			Hail (0.75)
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Wichita County 1 NW Iowa Park

	12	1940CST			0	0			Hail (1.00)
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Archer County 10 W Archer City

	12	2025CST			0	0			Hail (0.88)
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Archer County 12 W Archer City

	12	2043CST			0	0			Hail (1.00)
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Archer County 6 SW Windthorst

	12	2135CST			0	0			Hail (1.75)
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Archer County 10 SW Windthorst

	12	2210CST			0	0			Hail (2.00)
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Archer County Mankins

	14	2120CST			0	0			Thunderstorm Wind (G56)
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Archer County Archer City

	14	2150CST			0	0			Thunderstorm Wind (G56)
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Severe thunderstorm wind gusts were estimated at 65 mph in Archer City.

Hardeman County Quanah

	16	1900CST			0	0	10K		Thunderstorm Wind
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Severe thunderstorm winds downed power lines and blew a railroad car off its tracks.

Hardeman County Quanah

	16	1930CST			0	0	4K		Thunderstorm Wind (G52)
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Severe thunderstorm winds uprooted trees and snapped tree limbs throughout Quanah. Sustained winds of 55 mph with peak gusts to 60 mph were measured at the Quanah Fire Department. Also, a pickup truck was flipped over by the severe winds west of town.



National Weather Service

Storm Data and Unusual Weather Phenomena



June 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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TEXAS, North Central

**Wilbarger County
Vernon**

16 1930CST 0 0 0.10K Thunderstorm Wind (G61)

Severe thunderstorm winds gusted up to 70 mph at the Wilbarger County Airport just north of Vernon. In town, trees and limbs throughout Vernon were damaged or blown down.

**Wilbarger County
Odell**

16 1942CST 0 0 Thunderstorm Wind (G61)

**Knox County
Knox City**

16 1945CST 0 0 1.5K Thunderstorm Wind

Severe thunderstorm winds uprooted numerous trees and scattered limbs and debris across much of Knox City. Vinyl siding was blown off of one side of a house, and a sign was blown off of the top of a business in downtown.

**Baylor County
Lake Kemp**

16 1950CST 0 0 Hail (1.75)

**Baylor County
Lake Kemp**

16 1950CST 0 0 Thunderstorm Wind (G52)

**Archer County
Mankins**

16 2030CST 0 0 4K Thunderstorm Wind

A roof was blown off a vacant building and onto Highway 25. Utility poles were also downed in the area.

**Clay County
Petrolia**

16 2030CST 0 0 6K Thunderstorm Wind

A roof was blown off a pizza restaurant.

**Wichita County
Electra**

16 2030CST 0 0 0.50K Thunderstorm Wind

Numerous trees were damaged or uprooted throughout Electra. Wind damage was also reported to roofs, outbuildings, and fences across town.

**Wichita County
5 SE Burkburnett**

16 2035CST 0.7 60 0 0 20K Tornado (F1)

A survey conducted by a National Weather Service meteorologist confirmed that an F1 tornado touched down briefly about 5 miles southeast of Burkburnett (or 1.5 miles north of the north end of Sheppard AFB). One mobile home was completely destroyed on Bobby Point Road, prompting an F1 rating. Several other mobile homes in the area sustained minor damage, and homes to the east on Carriage Lane also received minor damage. Maximum path length was about 3/4 mile and the width was 50 to 60 yards.

**Clay County
Henrietta**

16 2044CST 0 0 Hail (1.00)

**Clay County
Jolly**

16 2044CST 0 0 Hail (0.75)

**Clay County
Jolly**

16 2044CST 0 0 Thunderstorm Wind (G52)

**Wichita County
Wichita Falls**

16 2045CST
2100CST 0 0 20K Thunderstorm Wind

Severe thunderstorm winds moved through the Wichita Falls area, downing trees, limbs, and power poles. One tree near a house fell onto a power line, causing an electrical surge that set the kitchen of the house on fire. A furniture warehouse was also destroyed when severe winds tore the back wall and roof off of the building. At Sheppard Air Force Base, winds up to 70 mph tore countless limbs from trees and knocked out windows on some base housing units.

**Wichita County
Burkburnett**

16 2047CST 0 0 0.10K Thunderstorm Wind (G52)

Severe thunderstorm winds in Burkburnett toppled several large trees and damaged limbs, signs, and fences throughout town. Also, the second story of the press box at the high school football stadium was blown off and scattered across the playing field.

**Wichita County
Wichita Falls (Ksps)**

16 2049CST 0 0 Thunderstorm Wind (G61)

measured at Sheppard Air Force Base



National Weather Service

Storm Data and Unusual Weather Phenomena



June 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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TEXAS, North Central

Clay County

6 SW Charlie to
2 N Charlie

16	2050CST 2105CST	6.5	100	0	0	150K		Tornado (F1)
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A damage survey conducted by a National Weather Service meteorologist revealed a 6.5 mile tornado track across northern Clay County. The tornado began around 20:50 CST about 6 miles southwest of Charlie, TX, moved northeast, and lifted about 2 miles north of Charlie. Downed power poles and several trees on Ratt Road marked the beginning of the damage, with increasing damage through a pecan grove along Highway 171. Damage to a barn and over 1000 trees in the grove was rated at F1. Farther northeast along the track of the tornado, two homes and at least 3 barns/garages also sustained F1 damage along Linville and T-Bone Roads. The roof of a house on T-Bone Road was completely blown off, probably because the garage door had been left open. The heaviest damage from this tornado was along a three mile path from the pecan grove on Highway 171 to the houses on Linville and T-Bone Roads. Path width ranged from 50 to 100 yards.

Wichita County

Wichita Falls (Ksps)

16	2056CST			0	0			Thunderstorm Wind (G61)
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measured at Sheppard Air Force Base

Archer County

Archer City

16	2100CST			0	0	0.10K		Thunderstorm Wind (G52)
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Severe thunderstorm winds estimated at 60 mph blew tree limbs down on power lines.

Clay County

Henrietta

16	2115CST			0	0	5K		Thunderstorm Wind
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Two trees were uprooted by severe winds, one of which landed on a car.

Summary of events of June 16, 1997:

During the evening of the 16th, severe thunderstorms moved eastward from west Texas into north Texas, producing large hail, widespread reports of wind damage, and two tornadoes in the western part of north Texas.

The two tornadoes, both resulting in damage and rated F1, occurred in Wichita County southeast of Burkburnett and in Clay County in the Charlie area. The first tornado was on the ground in Wichita County for about 3/4 mile and the second in Clay County for about 6.5 miles. A damage survey was conducted by a National Weather Service meteorologist on the 17th, the day after the storm. Both radar signatures and this survey indicated that the two tornadoes were produced by the same storm. See individual Storm Data entries on these tornadoes for further details.

While the tornadoes did produce significant structural damage, severe straight-line thunderstorm winds caused much more widespread damage across the region. Peak measured wind speeds reached 70 mph in Vernon in Wilbarger County and at Sheppard Air Force Base in Wichita County. Reports of structural damage came from Knox City in Knox County, Mankins in Archer County, Petrolia in Clay County, and Electra, Wichita Falls, and Burkburnett in Wichita County. Tree, limb, and power line damage was also reported in Quanah in Hardeman County, Vernon in Wilbarger County, Archer City in Archer County, and Henrietta in Clay County.

The largest reported hail fell near Lake Kemp in Baylor County, where hail reached the size of golf balls.

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