



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	Injured	Estimated Damage Property	Crops	Character of Storm
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ARKANSAS, Northwest

Washington County
6 SE Strickler

04 0115CST 0 0 0.10K Thunderstorm Wind

A severe thunderstorm produced strong winds which downed trees at Devils Den State Park 6 miles southeast of Strickler.

Sebastian County
Greenwood

08 1210CST 0 0 0.10K Thunderstorm Wind

Sebastian County
Greenwood

08 1215CST 0 0 0.10K Thunderstorm Wind

A severe thunderstorm produced strong winds which downed numerous large tree limbs in Greenwood.

Benton County
1 N Rogers

09 1405CST 0 0 0.10K Thunderstorm Wind

Carroll County
Beaver

09 1445CST 0 0 0.10K Thunderstorm Wind

Isolated severe thunderstorms developed in extreme northwest Arkansas during the afternoon of July 9th and produced damaging winds. Large tree limbs were blown down 1 mile north of Rogers and in Beaver.

Benton County
Nr War Eagle

**10 1230CST
1300CST 0 0 Flash Flood**

Carroll County
Nr Busch

**10 1230CST
1300CST 0 0 Flash Flood**

Madison County
Huntsville

**10 1245CST
1315CST 0 0 Flash Flood**

Thunderstorms in northwest Arkansas during the morning and early afternoon of July 10th produced very heavy rainfall which resulted in flash flooding. Some county roads were covered by high water near War Eagle and near Busch, and widespread street

Benton County
Monte Ne

14 1740CST 0 0 Hail (1.00)

Benton County
Cave Spgs

14 1840CST 0 0 Hail (0.75)

Isolated severe thunderstorms developed in Benton County of extreme northwest Arkansas during the late afternoon and early evening of July 14th and produced quarter size hail at Monte Ne and dime size hail at Cave Springs.

Carroll County
Urbanette

17 1500CST 0 0 Hail (0.75)

Sebastian County
Barling

17 1640CST 0 0 Hail (0.75)

Crawford County
Van Buren

17 1659CST 0 0 Hail (0.75)

Crawford County
Van Buren

17 1659CST 0 0 Thunderstorm Wind (G65)

Sebastian County
3 NE Ft Smith

17 1700CST 0 0 0.10K Thunderstorm Wind

Severe thunderstorms developed in northwest Arkansas during the afternoon of July 17th. Strong thunderstorm winds blew a large tree down across a road 3 miles northeast of Fort Smith, and trees were blown down by 75 mile an hour winds on the south side of Van Buren. Dime size hail fell at Urbanette, at Barling, and on the south side of Van Buren.

Sebastian County
Nr Lavaca

22 1725CST 0 0 1.5K Thunderstorm Wind

Sebastian County
Lavaca

22 1735CST 0 0 10K Thunderstorm Wind



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ARKANSAS, Northwest

Sebastian County

3 NW Greenwood	22	1845CST			0	0	0.10K		Thunderstorm Wind
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Isolated severe thunderstorms developed in Sebastian County of northwest Arkansas during the late afternoon and early evening of July 22nd and produced damaging winds. Strong thunderstorm winds downed trees and power lines and damaged outbuildings in

Sebastian County

5 SE Greenwood	23	1625CST			0	0			Hail (0.75)
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A severe thunderstorm produced dime size hail 5 miles southeast of Greenwood.

Madison County

Nr Wesley	28	1620CST			0	0	0.10K		Thunderstorm Wind
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Madison County

1 S Huntsville	28	1640CST			0	0	20K		Thunderstorm Wind
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A severe thunderstorm produced strong winds which destroyed 1 barn and badly damaged 2 other barns 1 mile south of Huntsville. The winds also caused roof damage to several houses and uprooted trees 1 mile south of Huntsville. The storm also produced strong winds which blew down trees near Wesley.

OKLAHOMA, Eastern

Craig County

2 N Welch	03	1828CST			0	0			Hail (0.75)
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Nowata County

Wann	03	1831CST			0	0			Hail (0.88)
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Nowata County

Wann	03	1831CST			0	0			Thunderstorm Wind (G52)
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Washington County

2 N Wann	03	1834CST			0	0			Hail (0.88)
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Osage County

5 W Bartlesville	03	1849CST			0	0			Hail (1.00)
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Osage County

3 W Bartlesville	03	1857CST			0	0			Hail (1.00)
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Washington County

Bartlesville	03	1857CST			0	0			Hail (1.00)
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Washington County

1 S Dewey	03	1858CST			0	0			Hail (1.00)
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Washington County

Bartlesville	03	1900CST			0	0			Hail (1.00)
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Washington County

Bartlesville	03	1907CST			0	0	5K		Thunderstorm Wind
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Nowata County

5 NW Nowata	03	1925CST			0	0			Hail (0.75)
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Osage County

Pawhuska	03	1927CST			0	0			Hail (1.00)
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Osage County

1 N Pawhuska	03	1927CST			0	0			Hail (1.00)
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Nowata County

Nowata	03	1930CST			0	0			Hail (1.00)
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Craig County

12 NW Vinita	03	1933CST			0	0			Hail (1.75)
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July 1997

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					Killed	Injured	Property	Crops	
<u>OKLAHOMA, Eastern</u>									
Craig County 12 NW Vinita	03	1935CST			0	0			Hail (1.75)
Nowata County 5 NW Nowata	03	1938CST			0	0			Hail (0.75)
Osage County Pawhuska	03	1939CST			0	0			Hail (1.00)
Craig County Ketchum	03	2010CST			0	0			Thunderstorm Wind (G52)
Delaware County 2 W Bernice	03	2012CST			0	0			Thunderstorm Wind (G59)
Delaware County Cleora	03	2014CST			0	0			Thunderstorm Wind (G56)
Delaware County Bernice	03	2015CST			0	0			Thunderstorm Wind (G52)
Delaware County 3 N Grove	03	2015CST			0	0	10K		Thunderstorm Wind
Delaware County 3 SE Bernice	03	2020CST			0	0	0.10K		Thunderstorm Wind
Delaware County 2 SW Cleora	03	2023CST			0	0			Thunderstorm Wind (G65)
Delaware County 5 N Grove	03	2030CST			0	0	0.10K		Thunderstorm Wind
Delaware County 2 E Grove	03	2035CST			0	0			Hail (0.75)
Craig County 1 N Ketchum	03	2037CST			0	0			Thunderstorm Wind (G65)
Delaware County 4 N Grove	03	2037CST			0	0			Hail (0.75)
Delaware County Grove	03	2045CST			0	0			Hail (0.75)
Ottawa County 2 NE Afton	03	2050CST			0	0			Thunderstorm Wind (G52)
Osage County 6 SE New Prue	03	2145CST			0	0			Thunderstorm Wind (G52)
Tulsa County 5 S Sperry	03	2145CST			0	0			Hail (0.75)
Tulsa County Tulsa	03	2212CST			0	0			Hail (0.88)
Creek County 1 SE Depew	03	2215CST			0	0			Thunderstorm Wind (G52)
Tulsa County Tulsa	03	2221CST			0	0			Thunderstorm Wind (G54)

Severe thunderstorms moved across northeast Oklahoma during the evening of July 3rd. Strong thunderstorm winds downed large trees and numerous street signs in the south part of the city of Bartlesville, and strong winds broke a 2 foot diameter tree and capsized a cabin cruiser 3 miles north of Grove. A 20 inch tree was blown down 3 miles southeast of Bernice, and 6 inch diameter tree limbs were broken off 5 miles north of Grove. Thunderstorm winds gusted to 70 to 80 miles an hour 2 miles southwest of Cleora and 1 mile north of Ketchum and to 65 to 70 miles an hour 2 miles west of Bernice. Thunderstorm winds gusted to 60 to 65 miles an hour at several other locations in northeast Oklahoma. Hail up to golfball size fell 12 miles northwest of Vinita, and dime to quarter size hail fell at numerous other locations in northeast Oklahoma.



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OKLAHOMA, Eastern

Ottawa County

Miami	09	0115CST			0	0	0.10K		Thunderstorm Wind
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A severe thunderstorm produced strong winds which downed several large tree limbs in Miami.

Muskogee County

Muskogee	10	1115CST 1215CST			0	0			Flash Flood
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Muskogee County

Ft Gibson	10	1130CST 1230CST			0	0			Flash Flood
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Thunderstorms in Muskogee County of northeast Oklahoma produced up to 5 inches of rain which resulted in flash flooding. Widespread street flooding occurred in Muskogee, and Sams Creek overflowed its banks resulting in minor flooding in the Meadows subdivision on the south side of Muskogee. However, no homes were flooded in Muskogee. State Highway 10 was impassable in the town of Fort Gibson due to high water over the roadway.

Mayes County

7 N Pryor	15	0230CST			0	0	2K		Thunderstorm Wind
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A severe thunderstorm produced strong winds which tore the roof off a 28 foot by 30 foot barn, uprooted a few trees, snapped 1 tree in half, and took the tops out of a few trees 7 miles north of Pryor.

Cherokee County

Park Hill	15	0530CST			0	0			Hail (1.00)
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Cherokee County

3 S Tahlequah	15	0535CST			0	0			Hail (0.75)
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A severe thunderstorm produced quarter size hail at Park Hill and dime size hail 3 miles south of Tahlequah.

Haskell County

1 SE Stigler	15	1320CST			0	0			Hail (0.75)
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Pittsburg County

Mc Alester	15	1416CST			0	0			Hail (1.00)
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Pittsburg County

5 SW Mc Alester	15	1420CST			0	0			Hail (1.00)
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Mcintosh County

2 SW Hitchita	15	1615CST			0	0			Thunderstorm Wind (G52)
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Okfuskee County

Okemah	15	1630CST			0	0			Hail (1.00)
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Tulsa County

Tulsa	15	1725CST			0	0			Thunderstorm Wind (G53)
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Okfuskee County

4 W Okemah	15	1730CST			0	0	50K		Thunderstorm Wind
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Tulsa County

Tulsa	15	1740CST			0	0			Hail (0.75)
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Tulsa County

Tulsa	15	1758CST			0	0			Hail (0.88)
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Tulsa County

3 S Tulsa	15	1803CST			0	0			Hail (1.00)
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Rogers County

3 W Claremore	15	1825CST			0	0			Hail (0.88)
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Rogers County

Claremore	15	1830CST			0	0			Hail (1.75)
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Tulsa County

Tulsa	15	1840CST 1930CST			0	0			Flash Flood
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					Killed	Injured	Property	Crops	

OKLAHOMA, Eastern

Rogers County

Inola	15	1900CST 1930CST			0	0			Flash Flood
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Tulsa County

5 SW Tulsa	15	1907CST			0	0			Hail (0.75)
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Osage County

6 E New Prue	15	1925CST			0	0			Hail (0.75)
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Osage County

Hominy	15	2015CST			0	0			Hail (0.88)
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Osage County

Hominy	15	2025CST			0	0			Hail (1.00)
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Severe thunderstorms developed in eastern Oklahoma during the afternoon and evening of July 15th. Strong thunderstorm winds damaged 1 building and 1 house and downed several trees and power poles 4 miles west of Okemah. Thunderstorm winds gusted to 61 miles an hour at 61st Street South and Yale Avenue in the city of Tulsa and to 60 miles an hour 2 miles southwest of Hitchita. Golfball size hail broke windshields on the west side of Claremore, and dime to quarter size hail fell at numerous other locations in eastern Oklahoma. The storms also produced very heavy rainfall which resulted in flash flooding in Tulsa and Rogers Counties. Street flooding occurred in the west part of the city of Tulsa near and south of downtown, with as much as 6 inches of water over the roadway at 21st Street South and Southwest Boulevard. Street flooding also occurred in Inola.

Osage County

5 SE Ponca City	17	0530CST 0600CST			0	0			Flash Flood
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Osage County

South Of Shidler	17	0600CST			0	0			Flash Flood
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Thunderstorms in western Osage County during the early morning of July 17th produced very heavy rainfall which resulted in flash flooding. High water covered a county road 5 miles southeast of Ponca City, and State Highway 18 was flooded south of Shidler.

Okfuskee County

7 W Welty	17	1400CST			0	0			Hail (1.00)
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Okmulgee County

Okmulgee	17	1435CST			0	0			Thunderstorm Wind (G56)
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Okmulgee County

Okmulgee	17	1448CST			0	0			Thunderstorm Wind (G65)
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Okmulgee County

Okmulgee	17	1500CST 1700CST			0	0	5K		Flash Flood
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Mcintosh County

Hitchita	17	1515CST			0	0			Thunderstorm Wind (G52)
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Pittsburg County

8 SW Mc Alester	17	1548CST			0	0			Hail (0.75)
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Osage County

W. Osage County	17 18	1606CST 0900CST			0	0	140K		Flash Flood
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Osage County

Shidler	17	1643CST			0	0			Hail (0.75)
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Osage County

Shidler	17	1712CST			0	0			Hail (1.00)
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Osage County

1 S Shidler	17	1712CST			0	0			Hail (1.00)
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Osage County

Burbank	17	1800CST			0	0			Thunderstorm Wind (G52)
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<u>OKLAHOMA, Eastern</u>									
Osage County 2 SSE Fairfax	17	1805CST	0.1	30	0	0			Tornado (F0)
Osage County Fairfax	17	1829CST			0	0			Thunderstorm Wind (G70)
Pawnee County 3 NE Pawnee	17	1830CST			0	0			Thunderstorm Wind (G62)
Pawnee County 3 NE Pawnee	17	1835CST			0	0			Thunderstorm Wind (G72)
Pawnee County 3 NE Pawnee	17	1840CST			0	0			Thunderstorm Wind (G51)
Osage County 1 S Fairfax	17	1845CST			0	0	0.10K		Thunderstorm Wind
Pawnee County Jennings	17	1915CST			0	0			Thunderstorm Wind (G70)
Pawnee County 10 NW Pawnee	17	1930CST			0	0			Hail (1.75)
Pawnee County 8 NW Pawnee	17	1935CST			0	0			Hail (1.75)
Creek County Drumright	17	1950CST			0	0			Thunderstorm Wind (G52)
Pawnee County W. Pawnee County	17 18	2000CST 0800CST			0	0			Flash Flood
Creek County Shamrock	17	2015CST			0	0			Hail (0.88)
Pawnee County Ralston	17	2015CST			0	0	0.10K		Thunderstorm Wind
Creek County Milfay	17	2020CST			0	0	0.10K		Thunderstorm Wind
Pawnee County 5 N Pawnee	17	2020CST			0	0			Hail (0.75)
Creek County In+Nr Shamrock	17	2250CST 2330CST			0	0			Flash Flood
Okfuskee County 7 W Welty	18	0100CST 0645CST			0	0			Flash Flood



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OKLAHOMA, Eastern

Severe thunderstorms developed in eastern Oklahoma during the afternoon and evening of July 17th. The storms spawned one brief tornado 2 miles south southeast of Fairfax at 1805CST. No structural damage occurred with this tornado which was rated F0 in intensity. Damaging straight-line winds, large hail, and flash flooding were the main features associated with the storms.

Thunderstorm winds estimated at 80 miles an hour downed trees in Fairfax, and trees were also blown down in Milfay. Large tree limbs were blown down 1 mile south of Fairfax and in Ralston. Thunderstorm winds gusted up to 83 miles an hour at an automated observing site 3 miles northeast of Pawnee, to 80 miles an hour in Jennings, up to 75 miles an hour in Okmulgee, and to 60 miles an hour in Hitchita, in Burbank, and in Drumright. Golfball size hail fell 10 miles northwest of Pawnee and 8 miles northwest of Pawnee, and dime to quarter size hail fell at several other locations in eastern Oklahoma.

Thunderstorms during the afternoon and evening of July 17th and early morning of July 18th also produced very heavy rainfall which resulted in flash flooding. The worst flooding was in western Osage County, where up to 12 inches of rain fell. 4 houses in and near Burbank were damaged by high water from Salt Creek, and some of the homes were damaged beyond repair. State Highway 18 was washed out south of Fairfax and was closed north of Fairfax due to high water. Most roads in and out of Fairfax were closed, and water topped a bridge 7 miles north of Fairfax for the first time since 1986. 6 houses were evacuated near Fairfax when Salt Creek rose out of its banks, and some evacuations also took place in Grey Horse. State Highway 11 was closed west of Shidler and east of Ponca City due to flooding, and State Highway 18 south of Shidler was also closed due to flooding. Up to 2 feet of standing water covered some roads in Shidler.

In Pawnee County, most roads in Ralston were impassable due to high water, and many creeks were flooded in the Ralston area. State Highway 20 was partially flooded west of Ralston, and numerous county roads were flooded between Pawnee and Ralston and also west of Pawnee. Most low-lying areas in western Pawnee County were flooded. In Creek County, many roads were flooded in and near Shamrock. In Okfuskee County, many county roads were flooded 7 miles west of Welty, and some of the roads were impassable. In Okmulgee County, street flooding occurred in Okmulgee, and several cars were stalled by high water on U.S. Highway 75. Part of a road was washed away near 15th and Delaware in Okmulgee.

Osage County

West Of Burbank

19	0800CST 0835CST		0	0		Flash Flood
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Creek County

Drumright

19	0900CST 1000CST		0	0		Flash Flood
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Thunderstorms during the morning of July 19th produced very heavy rainfall which resulted in flash flooding in western Osage and western Creek Counties of northeast Oklahoma. 2 feet of water covered U.S. Highway 60 west of Burbank, and street flooding

Tulsa County

Broken Arrow

20	1650CST		0	0		Thunderstorm Wind (G52)
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Tulsa County

Broken Arrow

20	1655CST		0	0		Hail (0.75)
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Tulsa County

Broken Arrow

20	1655CST		0	0		Thunderstorm Wind (G61)
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Tulsa County

Tulsa

20	1705CST		0	0		Hail (0.75)
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Tulsa County

Broken Arrow

20	1715CST		0	0	2K	Thunderstorm Wind
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Tulsa County

Tulsa

20	1719CST		0	0		Hail (1.00)
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Tulsa County

Tulsa

20	1725CST		0	0		Hail (1.25)
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Tulsa County

Tulsa

20	1728CST		0	0		Hail (0.88)
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Tulsa County

Tulsa

20	1740CST 1845CST		0	0		Flash Flood
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Tulsa County

Owasso

20	1805CST		0	0		Thunderstorm Wind (G52)
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OKLAHOMA, Eastern

A severe thunderstorm moved slowly north northwest through Tulsa County and produced large hail and damaging winds. Thunderstorm winds up to 70 miles an hour downed trees, power lines, and fences in Broken Arrow, mainly between 71st and 101st Streets South and between 145th and 161st East Avenue, and thunderstorm winds gusted to 60 miles an hour in Owasso. Dime to half dollar size hail fell at various locations in the city of Tulsa, and dime size hail fell in Broken Arrow. Very heavy rainfall produced by the storm also resulted in flash flooding in the city of Tulsa. A creek flooded onto Memorial Drive between 11th and 15th Streets South, and street flooding occurred at 51st Street South and 129th East Avenue.

Pawnee County

Cleveland	21	1830CST 1900CST			0	0			Flash Flood
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Pawnee County

Cleveland	21	1830CST			0	0	0.10K		Thunderstorm Wind
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Osage County

Osage	21	1835CST			0	0	0.10K		Thunderstorm Wind
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Osage County

Hominy	21	1837CST			0	0			Thunderstorm Wind (G54)
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Osage County

5 SE Ponca City	21	1840CST			0	0	0.10K		Thunderstorm Wind
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Osage County

Hominy	21	1900CST			0	0			Hail (0.88)
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Osage County

5 E Hominy	21	1900CST			0	0			Hail (0.88)
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Osage County

6 NNW Skiatook	21	1925CST			0	0	0.10K		Thunderstorm Wind
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Mcintosh County

5 WNW Eufaula	21	2000CST			0	0			Thunderstorm Wind (G50)
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Haskell County

6 WNW Hoyt	21	2005CST			0	0			Hail (0.75)
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Muskogee County

Porum	21	2010CST			0	0	0.10K		Thunderstorm Wind
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Isolated severe thunderstorms developed in eastern Oklahoma during the evening of July 21st. Strong thunderstorm winds downed trees and power lines in Cleveland and 5 miles southeast of Ponca City, and trees were blown down in Osage and 6 miles north northwest of Skiatook. Thunderstorm winds gusted to 60 to 65 miles an hour in Hominy and to 58 miles an hour at an automated observing site 5 miles west northwest of Eufaula, and several large tree limbs were blown down in Porum. Nickel size hail fell at Hominy and 5 miles east of Hominy, and dime size hail fell at Eufaula Dam 6 miles west northwest of Hoyt. The storms also produced very heavy rainfall which resulted in street flooding in Cleveland.

Rogers County

Claremore	21	2030CST			1	0			Lightning
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A 42 year old man was struck and killed by lightning when he went outdoors to roll up his car windows.
M42OU

Pittsburg County

Krebs	22	1700CST			0	0	40K		Thunderstorm Wind
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A severe thunderstorm produced strong winds which destroyed a concrete outbuilding and damaged another building in the northwest part of the town of Krebs.

Tulsa County

Tulsa	23	1338CST			0	0			Thunderstorm Wind (G56)
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Tulsa County

1 N Broken Arrow	23	1347CST			0	0			Hail (1.25)
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Tulsa County

1 N Broken Arrow	23	1347CST			0	0			Thunderstorm Wind (G52)
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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		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

OKLAHOMA, Eastern

Tulsa County

Tulsa	23	1350CST			0	0			Thunderstorm Wind (G56)
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A severe thunderstorm produced 65 mile an hour winds in the city of Tulsa at 71st Street South and Sheridan Road and also at 43rd Street South and Sheridan Road. The storm also produced 60 mile an hour winds and half dollar size hail 1 mile north of