



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1998

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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ARKANSAS, Northwest

**Carroll County
Osage**

03 1100CST 0 0 Hail (0.75)

As the center of an upper level low and cold pool aloft shifted over northern Arkansas, this was the first report of a larger severe weather outbreak that took shape over northcentral Arkansas and moved east into Tennessee.

**Crawford County
Uniontown**

06 2245CST 0 0 Hail (1.00)

**Crawford County
Natural Dam**

06 2250CST 0 0 Hail (0.88)

**Washington County
6 SE Strickler**

06 2300CST 0 0 0.10K Thunderstorm Wind

5-inch diameter tree and several large tree limbs blown down in Devils Den State Park

**Crawford County
Alma**

06 2305CST 0 0 Thunderstorm Wind (G52)

Sheriff's vehicle blown off road

**Franklin County
Charleston**

06 2320CST 0 0 0.10K Thunderstorm Wind

Tree downed by tstm winds

**Crawford County
Mulberry**

06 2326CST 0 0 Hail (0.88)

**Madison County
St Paul**

06 2330CST 0 0 Thunderstorm Wind (G52)

Summary of events for April 6 1998:

A line of severe thunderstorms, some containing nickel to quarter-sized hail and wind gusts to 60 miles an hour, moved out of eastern Oklahoma and into western Arkansas late on the evening of April 6. The line first entered Arkansas around 1145 PM CDT and had moved east of Madison and Franklin Counties by 100 AM CDT. The strongest storm moved from Crawford into Franklin County and displayed signs of rotation on radar. However, there are no known tornado touchdowns with this storm.

**Washington County
Springdale**

15 1730CST 0 0 Hail (0.75)

**Carroll County
1 W Eureka Spgs**

15 1750CST 0 0 Hail (0.75)

**Washington County
1 S Springdale**

15 1840CST 0 0 Hail (0.75)

**Franklin County
Charleston**

15 1850CST 0 0 Hail (0.75)

**Franklin County
Cecil**

15 1900CST 0 0 Hail (0.88)

**Sebastian County
Bonanza**

15 1956CST 0 0 Hail (0.88)

**Sebastian County
Rye Hill**

15 1956CST 0 0 Hail (0.75)

**Sebastian County
Hackett**

15 2000CST 0 0 Hail (0.88)

**Sebastian County
Excelsior**

15 2009CST 0 0 Hail (0.88)

**Sebastian County
Witcherville**

15 2022CST 0 0 Hail (0.75)



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ARKANSAS, Northwest

Washington County									
5 SE Strickler	16	0251CST			0	0			Hail (0.75)
Madison County									
Huntsville	16	0255CST			0	0			Hail (1.00)
Crawford County									
Rudy	16	0305CST			0	0			Hail (1.00)
Crawford County									
Mountainburg	16	0315CST			0	0			Hail (0.75)
Crawford County									
Van Buren	16	0316CST			0	0			Hail (1.00)
Madison County									
Pettigrew	16	0320CST			0	0			Hail (0.75)
Crawford County									
Mt Gayler	16	0400CST			0	0			Hail (0.88)

Summary of events for April 15-16 1998:

Two rounds of severe weather affected northwest and westcentral Arkansas during this event: the first was during the early to mid-evening of April 15; the second was during the early morning hours of April 16.

A broken line of severe thunderstorms, primarily producing dime to nickel-sized hail, developed late on the afternoon of April 15 along a Pacific cold front moving into Arkansas from the northwest. The first thunderstorms developed over eastcentral Oklahoma during the late afternoon. They quickly moved into and across northwest Arkansas from Springdale to Eureka Springs between 600 and 715 PM CDT. The front continued to light up with thunderstorm activity as it moved southward into westcentral Arkansas from 730 to 930 PM CDT. One particularly strong storm moved across Sebastian County between 845 and 930 PM CDT, producing numerous reports of nickel-sized hail through the central part of the county, but this storm weakened below severe limits as it moved into Franklin County.

The second round of severe storms moved across western Arkansas between 345 and 515 AM CDT, producing dime to quarter-sized hail. These storms mainly affected Crawford, Madison, and southern Washington Counties.

OKLAHOMA, Eastern

Tulsa County									
Tulsa	02	2323CST			0	0			Hail (0.75)
Near 51st and Yale									
Craig County									
Welch	02	2359CST			0	0			Thunderstorm Wind (G52)
Delaware County									
5 NE Grove	03	0028CST			0	0			Hail (0.75)

30 to 40 mph winds reported as well

Summary of events for April 2-3 1998:

A line of thunderstorms formed along an eastward-moving dryline over central and western Oklahoma late on the afternoon of April 2. As the thunderstorms moved into northeast Oklahoma generally along and north of US Hwy 412, an outflow boundary formed out in advance of the line. The thunderstorms remained below severe limits for the most part, primarily producing widespread thunderstorm wind gusts of 30 to 45 miles an hour. However, the thunderstorms did strengthen enough over the far northeast corner of Oklahoma to cause isolated severe reports there.

Osage County									
Shidler	06	2030CST			0	0	0.10K		Thunderstorm Wind

A broken line of thunderstorms, oriented from northwest to southeast, moved across northwestern Osage County in advance of a much larger complex of thunderstorms over northwestern and northcentral Oklahoma. These storms downed large tree limbs near Shidler.



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OKLAHOMA, Eastern

Okfuskee County									
Weleetka	06	2040CST			0	0			Thunderstorm Wind (G52)
Mcintosh County									
Pierce	06	2110CST			0	0			Hail (0.75)
Mcintosh County									
5 W Eufaula	06	2118CST			0	0			Hail (0.75)
Mcintosh County									
4 WNW Eufaula	06	2120CST			0	0			Thunderstorm Wind (G55)
			63 mph tstm gust measured at Oklahoma mesonet site						
Pittsburg County									
Haywood	06	2120CST			0	0	0.10K		Thunderstorm Wind
			Several large tree limbs downed						
Muskogee County									
Porum	06	2140CST			0	0	0.10K		Thunderstorm Wind
			Several large tree limbs downed						
Haskell County									
Tamaha	06	2200CST			0	0			Thunderstorm Wind (G52)
Pittsburg County									
1 W Kiowa	06	2210CST			0	0			Hail (1.75)
Pittsburg County									
1 N Kiowa	06	2214CST			0	0			Hail (1.75)
Sequoyah County									
Sallisaw	06	2218CST			0	0			Hail (0.75)
Haskell County									
Keota	06	2220CST			0	0			Thunderstorm Wind (G52)
Adair County									
Bunch	06	2225CST			0	0			Thunderstorm Wind (G52)
Latimer County									
Red Oak	06	2245CST			0	0			Hail (0.75)
Sequoyah County									
Short	06	2245CST			0	0			Hail (0.75)
Sequoyah County									
Short	06	2245CST			0	0			Thunderstorm Wind (G61)
Tulsa County									
Glenpool	06	2253CST			0	0			Hail (0.88)
Le Flore County									
Arkoma	06	2255CST			0	0			Thunderstorm Wind (G52)
Tulsa County									
Jenks	06	2300CST			0	0			Hail (0.75)
Wagoner County									
3 E Coweta	06	2328CST			0	0			Hail (0.88)
			Nickel-sized hail covered the ground						
Osage County									
Shidler	06	2333CST			0	0			Hail (0.75)
Le Flore County									
10 S Heavener	06	2340CST			0	0			Hail (0.88)
			Near US Hwy 259 and State Hwy 1						



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OKLAHOMA, Eastern

Le Flore County 2 NE Muse	07	0005CST			0	0			Funnel Cloud
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Summary of events for April 6 1998:

Two distinct lines of thunderstorms moved across eastern Oklahoma on the evening of April 6. One line moved across far northern Oklahoma, mainly affecting Osage and Pawnee counties between 800 PM CDT and 1030 PM CDT. This line produced no known severe weather.

The second line produced severe thunderstorms, containing primarily dime to nickel-sized hail and some 60 to 70 mph wind gusts. It affected east central and southeast Oklahoma. The line of storms first entered Okfuskee County around 930 PM CDT and swept eastward, mainly along and south of Interstate 40. The line of storms had moved eastward into Arkansas by midnight CDT.

Another thunderstorm displaying signs of rotation on radar moved across extreme southern Pittsburg, northern Pushmataha, and southern Le Flore Counties from just before midnight until just after 1 AM CDT, but only a few reports of funnel clouds were received just east of Talihina and northeast of Muse, both in Le Flore County.

Finally, isolated severe thunderstorms containing dime to nickel-sized hail formed over Osage, Tulsa, and Wagoner Counties between 1130 PM CDT and 100 AM CDT as a weak cold front approached from the northwest.

Okmulgee County 4 N Beggs	07	1911CST			0	0			Hail (0.88)
Creek County Mounds	07	1915CST			0	0			Hail (0.88)
Okmulgee County 3 W Hector	07	1915CST			0	0			Hail (0.75)
Tulsa County 3 SW Bixby	07	1920CST			0	0			Hail (0.88)
Muskogee County Haskell	07	1930CST			0	0			Hail (0.75)
Muskogee County Ft Gibson	07	2005CST			0	0			Hail (0.75)
Creek County Sapulpa	07	2015CST			0	0			Hail (0.75)
Creek County 1 E Sapulpa	07	2020CST			0	0			Hail (0.75)
Tulsa County 2 W Bixby	07	2023CST			0	0			Hail (0.88)
Tulsa County Bixby	07	2037CST			0	0			Hail (1.00)
Wagoner County Coweta	07	2050CST			0	0			Hail (0.75)

Summary of events for April 7 1998:

Two isolated severe thunderstorms, following very similar paths, developed by surprise on the evening of April 7 with the approach of a 500 mb cold front in northwesterly flow aloft. Both thunderstorms developed near Stillwater, travelling quickly eastward to near Tahlequah before dying out. The thunderstorms were separated in time by just over one hour. These thunderstorms produced mostly dime to nickel-sized hail.

OKZ054>055-059>060		Osage - Washington - Pawnee - Tulsa			0	0			High Wind (G45)
	12	0900CST 1600CST							

Summary of April 12 1998 high wind event:

While Easter Sunday (April 12) was windy across most of eastern Oklahoma, these four counties had measured wind gusts over 50 miles an hour. At 1131 AM CDT, the Tulsa International Airport measured a peak gust for the day of 52 miles an hour. The



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					Killed	Injured	Property	Crops	

OKLAHOMA, Eastern

sustained wind at the time was 41 miles an hour. At 148 PM and 447 PM CDT, the Bartlesville observation site (KBVO) measured wind gusts of 52 miles an hour. At 200 PM CDT, both the Burbank and Pawnee mesonet sites measured wind gusts of 52 and 50 miles an hour respectively. Otherwise, the rest of northeast Oklahoma saw frequent wind gusts of 40 to 45 miles an hour.

The strong winds were caused by the pressure gradient between a 983 mb low over the northern plains and a 1024 mb ridge of high pressure along the Atlantic seaboard.

Pawnee County Maramec	14	1706CST			0	0			Hail (0.75)
Pawnee County 1 S Hallett	14	1712CST			0	0			Hail (1.00)
Pawnee County 1 S Cleveland	14	1725CST			0	0			Hail (0.88)
Osage County 16 W Burbank	14	1745CST			0	0	2K		Hail (3.00)
3" diameter hail caused roof damage and busted windows out of a car about 4 miles east-southeast of Ponca City									
Osage County 8 W Burbank	14	1750CST			0	0			Hail (2.00)
Osage County 1 W Burbank	14	1755CST			0	0			Hail (0.75)
Osage County Shidler	14	1800CST			0	0			Hail (1.75)
Osage County 3 NE Bowring	14	2030CST			0	0			Hail (1.00)
Washington County Copan	14	2045CST			0	0			Hail (0.75)
Nowata County Wann	14	2100CST			0	0			Hail (1.00)
Nowata County South Coffeyville	14	2112CST			0	0			Hail (1.75)

Summary of events for April 14 1998:

Scattered severe thunderstorms developed late on the afternoon of April 14 over northcentral Oklahoma well out in advance of a dryline over western Oklahoma. One thunderstorm developed near Stillwater and became severe as it travelled across Pawnee County from Maramec to just south of Cleveland early in the evening. The storm continued across southeastern Osage County and weakened below severe limits before entering northern Tulsa County. Another severe thunderstorm entered western Osage County south of Ponca City and travelled across northwestern Osage County, producing hail as large as 3 inches in diameter before exiting into Kansas northeast of Foraker. Finally, thunderstorms redeveloped around 830 pm CDT over northern Osage County and became severe after 900 pm CDT, moving from northeastern Osage across far northern Washington and far northern Nowata Counties before exiting into Kansas and weakening below severe levels.

Sequoyah County 9 NE Gore	15	1640CST			0	0			Hail (0.75)
Le Flore County Fanshawe	15	1815CST			0	0			Hail (0.75)
Pittsburg County 2 S Mc Alester	15	1855CST			0	0			Hail (0.75)
Dime-sized hail covered the ground									
Le Flore County 3 W Panama	15	1933CST			0	0			Hail (0.88)
Pushmataha County 4 NW Moyers	15	1950CST			0	0			Thunderstorm Wind (G52)



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OKLAHOMA, Eastern

Le Flore County									
Pocola	15	2001CST			0	0			Hail (0.88)
Le Flore County									
Hodgen	15	2013CST			0	0			Hail (1.00)
Choctaw County									
2 NW Sawyer	15	2256CST			0	0	0.10K		Thunderstorm Wind
			Large tree limbs down and hail of unknown size						
Pushmataha County									
8 E Albion	16	0140CST			0	0			Hail (0.75)
Muskogee County									
Muskogee	16	0145CST			0	0			Hail (0.75)
Mcintosh County									
Checotah	16	0150CST			0	0			Hail (0.88)
Muskogee County									
Warner	16	0155CST			0	0			Hail (0.75)
Cherokee County									
3 N Cookson	16	0200CST			0	0			Hail (0.88)
Le Flore County									
2 N Talihina	16	0200CST			0	0			Hail (0.75)
Adair County									
Bunch	16	0215CST			0	0			Hail (1.00)
Sequoyah County									
Nicut	16	0256CST			0	0			Hail (1.75)
Pushmataha County									
Kiamichi	16	0420CST			0	0			Hail (0.75)
Le Flore County									
Muse	16	0429CST			0	0			Hail (0.75)
Pushmataha County									
8 E Albion	16	0430CST			0	0			Hail (1.00)
Le Flore County									
Muse	16	0435CST			0	0			Hail (0.88)

Summary of events for April 15-16 1998:

Two rounds of severe weather affected east central and southeast Oklahoma with this event: the first was during the late afternoon through late evening hours of April 15; the second was during the early morning hours of April 16.

A broken line of severe thunderstorms, primarily producing dime to nickel-sized hail, developed late on the afternoon of April 15 along a Pacific cold front moving through eastern Oklahoma. The first thunderstorms developed east of Muskogee around 400 PM CDT, and the rest of the front lit up with thunderstorms during the evening. Areas affected by the severe thunderstorms were to the southeast of Mc Alester, Tahlequah, and West Siloam Springs. The north end of the thunderstorm line moved quickly into Arkansas early in the evening, while the south end of the line moved slowly and took the entire evening to sag south of the Red River.

The second round of severe storms developed during the early morning hours of April 16 with the approach of strong upper level winds, well behind the cold front now located over north Texas. These storms produced large amounts of dime to quarter-sized hail, with one report of golfball-sized hail. The progression of these storms was similar to round one, with initial development over eastcentral Oklahoma followed by a southward push to the severe emphasis.

Washington County									
Ochelata	26	0530CST			0	0			Hail (0.75)
Rogers County									
5 N Bushyhead	26	0553CST			0	0			Hail (1.75)

Quarter to golfball-sized hail reported by Chelsea PD to be covering the ground 4 miles west of Chelsea



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OKLAHOMA, Eastern

Rogers County									
4 W Catale	26	0600CST			0	0			Hail (1.00)
Craig County									
3 S White Oak	26	0610CST			0	0			Hail (1.75)
Mayes County									
5 NW Adair	26	0630CST			0	0			Hail (1.00)
Delaware County									
4 ENE Grove	26	0655CST			0	0			Hail (0.88)

Summary of events for morning of April 26 1998:

Severe thunderstorms developed along and to the north of a cold front moving into northeast Oklahoma with the approach of an upper level disturbance on the morning of Sunday, April 26. These thunderstorms tracked from southern Washington County across northern Rogers, southern Craig, and northern Delaware Counties before exiting into southwestern Missouri. These severe thunderstorms were responsible for producing very large hail to the size of golfballs.

Choctaw County									
Boswell	26	1948CST			0	0	25K		Thunderstorm Wind

Thunderstorm winds caused a tree to fall on a mobile home and a vehicle parked near the mobile home in Boswell. The Dodson Feed Store in Boswell had its roof torn away by the high winds. Countywide, the winds knocked down numerous trees and caused power outages as the thunderstorms moved to the east at 45 miles an hour.

Choctaw County									
Ft Towson	26	2030CST			0	0	0.50K		Thunderstorm Wind

Several trees blown down

Pittsburg County									
Mc Alester	26	2042CST			0	0			Thunderstorm Wind (G61)

Pushmataha County									
Nashoba	26	2045CST			0	0	0.10K		Thunderstorm Wind

A few large tree limbs blown down

Le Flore County									
Zafra	26	2150CST			0	0	0.10K		Thunderstorm Wind

Several trees and large tree limbs blown down

Summary of events for evening of April 26 1998:

A line of severe thunderstorms, primarily containing strong straight-line winds, raced across southeast Oklahoma on the evening of April 26. The storms weakened briefly while moving across Haskell County but reintensified as they moved into southern Le Flore County.

Tulsa County									
(Tul)Tulsa Intl Arpt	27	0000CST 1100CST			0	0			Heavy Rain

The 2.33 inches of rain that fell at the Tulsa International Airport between midnight CST and Noon CDT was enough to break the daily rainfall record for April 27. The previous rainfall record for April 27 had been 1.85 inches set in 1985.

Tulsa County									
(Tul)Tulsa Intl Arpt	27	0000CST 2359CST			0	0			Record Cool

The high temperature at the Tulsa International Airport (KTUL) on the afternoon of April 27 was 57 degrees Fahrenheit. This broke the previous record low maximum temperature for the date of 60 set in 1920.

Creek County									
Countywide	27	0400CST 0930CST			0	0			Flash Flood

Osage County									
Countywide	27	0400CST 0930CST			0	0			Flash Flood



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OKLAHOMA, Eastern

Pawnee County
Countywide

27	0400CST 0930CST				0	0			Flash Flood
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Tulsa County
Countywide

27	0400CST 0930CST				1	0	12K		Flash Flood
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M39VE

Summary of flash flood event on April 27 1998:

Moderate to heavy rains near the center of a nearly stationary upper level weather system developed late in the evening on April 26. As the nearly stationary area of rain continued into the pre-dawn hours of April 27, grounds became saturated and flash flooding commenced in Creek, Osage, Pawnee, and Tulsa Counties. There were widespread two-day rainfall totals in excess of 4 inches in these counties, most of which fell during the early-morning hours of April 27. Some places approached 6 inch totals. The following are some two-day rainfall totals (in inches): Cleveland_5WSW...6.23, Hominy...6.02, Bristow...5.81, Mannford_6NW...5.76, Oilton...5.71, Maramec...5.65, Skiatook...5.21, Pawnee...4.87, Burbank...4.65, Wynona...4.43, Ralston...4.40, Tulsa International...3.93, Tulsa Riverside...3.76. Again, most of this fell between 7 PM CDT on April 26 and Noon CDT on April 27.

One death occurred in this event as a 39-year old man tried driving across a low-water bridge over Fred Creek near 86th and Lewis in southwest Tulsa between 500 and 530 AM CDT. Floodwaters swept his car off the road and carried it two blocks downstream before the water submerged it completely. It took three hours before floodwaters receded enough for rescuers to even find the car.

Otherwise, numerous streets in Creek, Tulsa, and Osage Counties were flooded. In Creek County, Sahoma Lake Road (161st W. Ave) near Sapulpa was closed.

In Osage County, Delaware Creek came out of its banks and forced the closing of Osage Drive in Sperry. In Hominy, high waters from Penn Creek caused the closing of a street near the Hominy City Barn for several hours. Water levels at the Low Water Bridge were the highest in years. High waters completely covered Main Street in front of the Hominy Animal Clinic.

In Tulsa County, flooding forced the closure of several roads in Bixby and in the city of Tulsa, including 56th Street North just east of Hwy 75, E. 86th Street N. and E. 96th Street N. from US Hwy 75 to SH 11, and SH 51 from 137th W. Ave. to W. 41st Street. Hwy 20 in and around Skiatook had to be closed as well as Hwy 11 north of Skiatook and south of Skiatook to Sperry. About 15 people evacuated their homes in Skiatook. In Owasso, a woman had to be rescued when water pushed her car off of Mingo Road.

Heavy rains sent the Bird Creek, Caney River, Polecat Creek, Deep Fork River, and the Neosho River above flood stage.