



National Weather Service

Storm Data and Unusual Weather Phenomena



August 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

Sebastian County

Huntington	02	1624CST			0	0	0.30K		Thunderstorm Wind
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Several trees were blown over in Huntington.

Benton County

Pea Ridge	02	2154CST			0	0	1K		Thunderstorm Wind
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Several trees and power lines were blown down in Pea Ridge.

Benton County

Garfield	02	2220CST			0	0	0.30K		Thunderstorm Wind
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Several large tree were blown down, and one large tree was blown onto a roadway, blocking traffic

Summary of events for August 2 1998:

An isolated severe thunderstorm formed over southern Sebastian County on the afternoon of August 2. This storm formed near a weak north-south trough where southwest and southeast winds met. The storm initially formed a core aloft which then "dropped" to the ground, producing damaging outflow winds.

Late in the evening, a short line of thunderstorms formed along an advancing outflow boundary from earlier thunderstorms in the northeast corner of Oklahoma. This line became severe as it moved across far northern Benton County, producing wind damage near Pea Ridge and Garfield.

Madison County

St Paul	08	1305CST 1315CST			0	0			Hail (1.00)
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Pea to quarter size hail reported for ten minutes

Madison County

St Paul	08	1305CST 1315CST			0	0	0.10K		Thunderstorm Wind
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4-6" diameter tree limbs blown down

Summary for August 8 1998:

Scattered pulse thunderstorms formed over the higher terrain of southern Madison County during the heat of the afternoon with the approach of an upper level pool of cold air at the base of an upper level trough. One thunderstorm pulsed up to severe levels near St. Paul as it moved southeast.

Carroll County

Berryville	09	0600CST			0	0	0.10K		Thunderstorm Wind
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Several large tree limbs were blown down, reported by radio station KTHS.

Summary for August 9 1998:

An isolated severe thunderstorm developed during the early morning hours over eastern Carroll County near a pool of cold air in the upper levels of the atmosphere.

Benton County

Wareagle	18	1605CST			0	0	1K		Hail (1.00)
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Dime to quarter-sized hail caused minor damage to an automobile at the War Eagle Mill

Benton County

Wareagle	18	1605CST			0	0	0.50K		Thunderstorm Wind
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Several large trees and tree limbs were blown down along the road through War Eagle. One large limb briefly blocked the old one-way bridge across the War Eagle River.

Summary for August 18 1998:

Isolated pulse severe thunderstorms formed over northwestern Arkansas on the afternoon of August 18. One thunderstorm produced wind and hail damage in War Eagle. Other thunderstorms in Benton and Washington Counties produced no severe reports, but there were several reports of 35 to 40 mph winds from other storms.

Washington County

Farmington	19	1345CST			0	0			Hail (1.00)
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ARKANSAS, Northwest

Washington County
Wedington

19 1350CST 0 0 0.10K Thunderstorm Wind

Several large tree limbs were blown down

Benton County
2 E Siloam Spgs

19 1705CST 0 0 5K Thunderstorm Wind

Dozens of large trees were blown down, one blocking County Road 7 two miles east of Siloam Springs. One car was severely damaged. Numerous power lines were blown down. Pea-sized hail and flash flooding were also reported with this storm. (See the flash flood entry.)

Benton County
Siloam Spgs

19 1705CST 0 0 0.30K Thunderstorm Wind

Several trees were blown down and blocking a road near Siloam Springs.

Franklin County
Ozark Whitman Arpt

19 1715CST 0 0 5K Thunderstorm Wind

A single-engine airplane was overturned by strong thunderstorm winds after its "hangar was picked up, twisted and dumped onto Airport Road" (quote from Ozark Spectator newspaper). The time of this event is estimated.

Benton County
3 E Siloam Spgs

19 1730CST 0 0 Flash Flood
1800CST

Small streams in the Rainbow Valley area overflowed. Several homes were threatened, but water never actually entered any of the homes. A nearly stationary thunderstorm dumped several inches of rain in a small area just south and east of Siloam Springs.

Crawford County
Mountainburg

19 1805CST 0 0 0.80K Thunderstorm Wind

Several large trees were blown down near Mountainburg, and the flag pole at city hall was blown over.

Summary of events for August 19 1998:

A northwest-southeast trough of low pressure and a pool of cold air aloft brought scattered pulse severe thunderstorms to northwest Arkansas on the afternoon of August 19. Most of these storms lasted less than one hour and affected fairly small areas. Most of these storms drifted to the west during their short but intense lifetimes.

ARZ029

Sebastian

26 0000CST 0 0 Excessive Heat
2359CST

The low temperature at the Fort Smith Regional Airport on this day was 79. This is the warmest low temperature on record for this date in Fort Smith.

ARZ029

Sebastian

28 0000CST 0 0 Excessive Heat
2359CST

The low temperature at the Fort Smith Regional Airport on this day was 79. This is the warmest low temperature on record for this date in Fort Smith.

OKLAHOMA, Eastern

OKZ073

Pittsburg

01 0000CST 0 0 Excessive Heat
02 2359CST



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OKLAHOMA, Eastern

On August 1, 1998, the high temperature at the McAlester Regional Airport (KMLC) was 107 degrees, breaking the old record high temperature for the date.

On August 2, 1998, the high temperature at the McAlester Regional Airport (KMLC) was 108 degrees, breaking the record high temperature for the second day in row. Also on August 2, the low temperature for the day was 82, making that the warmest low temperature on record for this date in McAlester.

These two days were the continuation of a heat wave that gripped southeast Oklahoma in July 1998. For further information on the heat wave, see the excessive heat entry in the July 1998 Storm Data publication. The heat wave finally broke on August 4, which was the first day since July 16 that the temperature failed to reach at least 100 degrees in McAlester. August 2 marked eleven days in a row with high temperatures of at least 105 degrees in McAlester.

Drought conditions continued to accompany the heat in August over southeast Oklahoma with only 0.70" of rain measured at McAlester in August. For more information on the drought, see the Drought entry in the July 1998 Storm Data publication.

Craig County 7 E Centralia

02	2310CST								Thunderstorm Wind (G54)
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A 62 mph gust was measured at an Oklahoma mesonet site.

Summary for August 2 1998:

A weak line of elevated showers and thunderstorms moving across the northern border counties of Oklahoma strengthened briefly over Craig County, causing a possible small-scale microburst. Calls to the area yielded no damage reports.

Choctaw County 6 W Soper

03	1410CST					70K			Thunderstorm Wind
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Thunderstorm winds nearly destroyed one house. A shop was severely damaged, and other houses in the area suffered roof damage. Some trees were also blown down. There were fortunately no injuries.

Choctaw County 2 NW Hugo

03	1450CST								Thunderstorm Wind (G64)
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The Oklahoma mesonet site near Hugo measured a gust to 73 mph. Calls to the Hugo Police Department yielded no damage or severe weather in town.

Summary for August 3 1998:

Two apparent microbursts on the afternoon of August 3 caused isolated reports of severe weather in Choctaw County. These microbursts affected fairly small areas.

Rogers County 3 N Foyil

04	1640CST					20K			Thunderstorm Wind
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A mobile home was blown onto a highway and destroyed. However, it should be noted that the mobile home had not yet been tied down.

Summary for August 4 1998:

Widely scattered thunderstorms developed in northeast Oklahoma on the afternoon and evening of August 4 along a nearly stationary front as an upper level disturbance approached. One thunderstorm became severe across northern Rogers County.

Wagoner County Coweta

08	1437CST								Hail (1.00)
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Summary for August 8 1998:

A line of elevated light rain showers slowly moved east across northeast Oklahoma during the day on August 8. As these showers moved east of Tulsa during the heat of the day, an isolated severe thunderstorm developed and moved across southern Wagoner County, producing strong winds and hail as large as quarters. As the storm was in its developing stages over southern Tulsa County, there was a report of winds to 55 miles an hour at Bixby. Other showers and thunderstorms developed over southeast Oklahoma as a pool of cold air aloft destabilized the atmosphere, but these other storms remained below severe levels.

Wagoner County 4 SW Coweta

09	0615CST					0.10K			Thunderstorm Wind
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Several large tree limbs blown down



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OKLAHOMA, Eastern

Muskogee County
2 NW Haskell

09 0630CST 0 0 0.10K Thunderstorm Wind

Several large tree limbs blown down

Wagoner County
7 SE Wagoner

09 0705CST 1 0 Lightning

A 58-year old woman was killed by lightning at Sequoyah Bay State Park while fishing. F58BO

Craig County
15 W Welch

09 0810CST 0 0 Thunderstorm Wind (G52)

60 mph gust reported by NWS Cooperative Observer in the community of Hollow

Summary of events for August 9 1998:

Numerous thunderstorms developed over eastern Oklahoma on Sunday morning, August 9, in response to the lift provided by a north-south warm front and an upper level low over southeast Missouri. Out of the numerous thunderstorms, there were widely scattered severe thunderstorms. One severe thunderstorm moved east through southern Wagoner and northern Muskogee County between 700 and 800 AM. This storm also produced a lightning death at Sequoyah Bay State Park after 800 AM. Further north, a train of strong to severe thunderstorms moved south out of Kansas and across Craig County, producing a report of severe winds in northwestern Craig County.

Le Flore County
1 N Whitesboro

12 1345CST 0 0 Hail (0.88)

Summary for August 12 1998:

An isolated severe thunderstorm developed over the higher terrain of southern Le Flore County on the afternoon of August 12. This was a typical air mass thunderstorm, and it produced a report of nickel-sized hail.

Mayes County
4 S Locust Grove

19 1440CST 0 0 Hail (0.88)

Rogers County
4 E Claremore

19 1510CST 0 0 9K Thunderstorm Wind (G61)

A 50-foot cattle trailer was turned completely over. Large elm trees were twisted and one was uprooted. There was structural damage to the aluminum frame and door locks on a building at the A-Bar Ranch east of the Claremore Municipal Airport. Winds were estimated at 70 miles an hour by the general public.

Mayes County
Pryor

19 1530CST 0 0 2K Thunderstorm Wind

A large tree was blown into the side of a house. In addition, a shed was destroyed, power lines were blown down, and large limbs were blown down.

Wagoner County
Okay

19 1530CST 0 0 Hail (0.75)

Delaware County
5 W Jay

19 1535CST 0 0 Thunderstorm Wind (G61)

Tulsa County
1 N Broken Arrow

19 1628CST 0 0 Hail (0.75)

Dime-sized hail reported near 51st and Lynn Lane. A few smaller tree limbs were also blown down.

Pittsburg County
5 W Savanna

19 1630CST 0 13 Tstm Wind/Hail

Thirteen soldiers at the Army Ammunition Plant were injured as strong thunderstorm winds blew tents into a group of soldiers. It is unlikely that severe winds were needed to blow tents away, therefore this is considered a non-severe report. The report came from the son of a Southern Region Headquarter employee.

Le Flore County
Heavener

19 1645CST 0 0 0.50K Thunderstorm Wind (G61)



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OKLAHOMA, Eastern

65 to 70 mph winds knocked down two large trees on the west side of town. Hail of one-quarter to one-half inch in diameter was also reported.

Washington County 2 N Bartlesville	19	1730CST			0	0			Hail (0.75)
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Washington County Dewey	19	1730CST			0	0	0.50K		Thunderstorm Wind
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Trees were blown down near Dewey.

Latimer County 7 S Bengal	19	1745CST			0	0	1K		Thunderstorm Wind
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A telephone pole and one-foot diameter tree limbs were blown down. Report was from 3 miles southwest of Talihina in Latimer County.

Summary of events for August 19 1998:

A trough of low pressure oriented from northwest to southeast and a cold pool of air aloft brought quite a few pulse severe thunderstorms to eastern Oklahoma on the afternoon and early evening of August 19. The trough started out in northwest Arkansas and then shifted southwest during the afternoon, causing the severe weather emphasis to shift southwest during the afternoon. The primary threats from these pulse storms were damaging thunderstorm winds and hail as large as nickels. Most areas of storm damage were confined to small areas due to the pulse nature of the storms.

OKZ060 Tulsa	25	0000CST 2359CST			0	0			Excessive Heat
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The low temperature at the Tulsa International Airport for the day was 80 degrees. This ties for being the warmest low temperature on record for this date in Tulsa.

Washington County Dewey	26	1240CST			0	0	6K		Thunderstorm Wind
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A roof was removed from a mobile home. Also, several utility poles were blown down, and several tree limbs were blown down.

Muskogee County Muskogee	26	1830CST			0	0	11K		Thunderstorm Wind
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A thunderstorm on the south side of Muskogee caused considerable wind damage as the storm collapsed. Most of the damage was confined to a 2-mile long area along Peak Blvd. bounded by US Hwy 69 on the west and Cherokee Street on the east. The Muskogee Phoenix daily newspaper reported the following damage:

- The trailer portion of an 18-wheeler was blown over, although it is unknown whether or not the trailer was loaded.
- A shop had its overhead doors blown out.
- One building partially collapsed, and another building under construction had a secured wall blown over.
- Sheet metal was blown off the roof of one building.
- A fence partially constructed of concrete block was blown over.
- The ASOS at Davis Field measured a peak gust of 47 mph, although this location was south of the main damage area.

Summary of events for August 26 1998:

Widely scattered pulse thunderstorms developed on the afternoon and evening of August 26 as a weak trough of low pressure interacted with cool air aloft. Two of the day's thunderstorms were notable. One developed just north of Bartlesville early in the afternoon and collapsed near Dewey, spawning destructive outflow winds. The other noteworthy thunderstorm developed quickly to the south of Muskogee early in the evening. This thunderstorm collapsed as it moved north into the city, producing damaging outflow winds.

Tulsa County Tulsa	28	1615CST			0	0	0.50K		Thunderstorm Wind
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A 6-inch tree limb fell onto a car at 15th and Utica in Tulsa.

Tulsa County Tulsa	28	1645CST			0	0	0.10K		Thunderstorm Wind
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A tree was blown down in southwest Tulsa.

Okfuskee County Welty	28	1750CST			0	0	1K		Thunderstorm Wind
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OKLAHOMA, Eastern

There was roof damage and a tree blown down in Welty.

Okfuskee County
Boley

28	1819CST				0	0			Thunderstorm Wind (G52)
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At the correctional facility in Boley.

Summary of events for August 28 1998:

Two isolated severe thunderstorms developed along a southward moving cold front during the late afternoon and early evening of August 28. The first thunderstorm moved southward over the city of Tulsa from downtown to near Jenks, knocking down some tree limbs and trees along the way. Another isolated severe storm developed over northern Okfuskee County and moved southward from near Micawber and Welty to Boley, producing scattered wind damage.

Pushmataha County
Rattan

30	1435CST				0	0			Hail (1.00)
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Dime to quarter-sized hail nearly covered the ground.

Summary for August 30 1998:

An isolated severe thunderstorm developed over the higher terrain of southern Pushmataha County and close to a weakening cold front/trough. The storm moved southward, producing a report of large hail.