





# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 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

#### Washington County

Fayetteville	06	1930CST			0	0			Hail (0.75)
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#### Crawford County

Cedarville	06	1933CST			0	0			Hail (0.88)
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#### Crawford County

4 N Alma	06	1950CST			0	0	2K		Thunderstorm Wind
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Roof damage to a building along US Hwy 71 between mile marker 15 and 17 in Crawford County.

#### Sebastian County

Hartford	06	2006CST			0	0			Hail (1.00)
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#### Sebastian County

Hartford	06	2006CST			0	0	0.50K		Lightning
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Lightning hit a transformer, causing a small power outage in Hartford.

#### Sebastian County

4 ENE Hartford	06	2008CST			0	0	0.10K		Thunderstorm Wind
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A tree was blown across SH 96 between Mansfield and Hartford.

#### Sebastian County

Huntington	06	2010CST			0	0			Hail (0.75)
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#### Sebastian County

2 N Midland	06	2010CST			0	0			Hail (1.75)
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#### Sebastian County

Mansfield	06	2011CST			0	0	0.10K		Thunderstorm Wind
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A large tree was blown down in Mansfield

Summary of events for May 6 1998:

Numerous severe thunderstorms developed during the late afternoon and evening over eastern Oklahoma and then moved into westcentral and northwest Arkansas between 700 and 930 PM CDT. Many of these thunderstorms developed rotation with one storm ultimately producing a tornado.

The storm that produced a tornado was the first to move into Arkansas. It first developed over Sequoyah County in Oklahoma and then moved into northern Crawford County around 715 PM CDT. From there, it developed very rapidly and began rotating, finally producing a tornado touchdown near Lake Fort Smith. Besides a tornado, this storm also produced hail to the size of golfballs.

Another cluster of severe thunderstorms, with a history of brief tornado touchdowns and funnel clouds in Oklahoma, moved across northern Crawford County between 830 and 900 PM CDT. Finally, a severe thunderstorm with a long history of rotation and tornadoes moved across southern Sebastian County between 900 and 930 PM CDT. Thankfully, there were no known tornadoes in Sebastian County, but the storm produced hail as large as golfballs.

The severe thunderstorms formed as a weak cold front shifted south over the area and a wave of low pressure approached from the west and southwest. An upper level disturbance helped to break a cap of warm air in the mid-levels which had held firm for most of the day.

#### Carroll County

4 N Eureka Spgs	09	0725CST			0	0			Hail (1.00)
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#### Carroll County

Berryville	09	0756CST			0	0			Hail (1.75)
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#### Carroll County

Oak Grove	09	0805CST			0	0			Hail (1.00)
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Quarter-sized hail covered the ground

#### Carroll County

3 NE Oak Grove	09	0811CST			0	0			Hail (1.75)
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Golfball-sized hail along state line near Blue Eye, MO



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### ARKANSAS, Northwest

<b>Madison County</b> 15 S Huntsville	09	0815CST			0	0			Hail (0.75)
<b>Madison County</b> Marble	09	0830CST			0	0			Hail (0.88)
<b>Carroll County</b> Metalton	09	0845CST			0	0			Hail (0.75)
<b>Benton County</b> Garfield	09	1230CST			0	1			Lightning

A 16-year old girl was struck by lightning along Shaffer Road in Garfield. The victim was listed in stable condition next day.

<b>Franklin County</b> Altus	09	1230CST			0	0			Hail (0.75)
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Summary of events for May 9 1998:

Three isolated severe thunderstorms developed across northwest Arkansas to the north of a warm front on the morning of May 9. The first storm developed just north of Eureka Springs around 815 AM CDT and moved northeast into Missouri. A second severe storm formed to the south of Berryville around 850 AM CDT and moved northeast into Missouri by 915 AM CDT. A third severe storm formed over southern Madison County and moved across Marble and Metalton. Early in the afternoon, severe storms weakened as they moved out of eastern Oklahoma but reintensified to severe levels over southern Franklin County as an upper level low and cold air aloft approached and daytime heating took place. The primary threat with any of these storms was very large hail to the size of golfballs.

<b>Benton County</b> Cave Spgs	25	0200CST			0	0			Hail (0.75)
<b>Madison County</b> Forum	25	0230CST			0	0			Thunderstorm Wind (G52)
Reported at Withrow Springs State Park									
<b>Carroll County</b> Eureka Spgs	25	0240CST			0	0	1K		Thunderstorm Wind (G52)
Tree limbs were blown down onto power lines									
<b>Washington County</b> Fayetteville	25	0300CST 0400CST			0	0	5K		Urban/Sml Stream Fld
AQ Chicken reported severe flooding and had to be closed until they could reclaim all of the dead chickens that floated away. There was an unofficial report of 1.5 inches in Wedington Woods falling in less than one hour. Debris was washed from ditches into streets in the city of Fayetteville.									
<b>Washington County</b> 2 E Lincoln	25	0305CST			0	0			Hail (1.00)
<b>Washington County</b> Fayetteville	25	0320CST			0	0	0.10K		Thunderstorm Wind
OES Director reported a tree down along SH 112 in north Fayetteville.									
<b>Washington County</b> (Fyv)Fayetteville Ar	25	0322CST			0	0			Tstm Wind/Hail
1/2 inch hail and 40 mph thunderstorm gust reported at Drake Field									
<b>Franklin County</b> Cass	25	0420CST			0	0			Hail (0.75)

Summary of events for May 25, 1998:

Several severe thunderstorms moved out of northeast Oklahoma and into northwest Arkansas during the early morning hours of May 25 between 300 AM CDT and 530 AM CDT, producing hail as large as quarters, marginally severe wind gusts, and high rainfall rates. These thunderstorms moved east-southeast along an outflow boundary produced by earlier thunderstorms in southwest Missouri.

The first cluster of severe thunderstorms moved across Benton, Carroll, and extreme northern Madison Counties. As one storm moved



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### ARKANSAS, Northwest

across northern Madison County, it acquired strong rotation, and this storm produced severe wind gusts in northern Madison and Carroll Counties. A second cluster of severe storms moved across Washington County after 400 AM, weakening briefly over the far southeastern part of the county, and then reintensifying over northern Franklin County.

**Sebastian County**  
**Ft Smith**

**26 1520CST** **0** **0** **Hail (1.00)**

Quarter-sized hail in Fort Smith near the state line bordering Moffett

**Crawford County**  
**Cedarville**

**26 1540CST** **0** **0** **Hail (1.00)**

Summary of events for May 26 1998:

Two isolated thunderstorms developed on the afternoon of May 26: one over southern Sebastian and the other over northern Le Flore County. The more northerly one became severe when it moved to near Fort Smith. This thunderstorm continued to move northeast over Van Buren and finally weakened over northern Crawford County. This storm was responsible for hail as large as quarters. These thunderstorms formed near a weak low-level circulation center during peak daytime heating.

**Benton County**

**Cave Spgs**

**29 0845CST** **0** **0** **1K** **Thunderstorm Wind**

Power lines blown down

**Washington County**

**Canehill**

**29 0930CST** **0** **0** **0.10K** **Thunderstorm Wind**

Tree blown down on SH 45 near Canehill.

**Washington County**

**Winslow**

**29 0935CST** **0** **0** **0.10K** **Thunderstorm Wind**

Large tree branches blown down

**Crawford County**

**Mulberry**

**29 1015CST** **0** **0** **0.50K** **Thunderstorm Wind**

Several trees and numerous branches blown down

**Franklin County**

**5 N Branch**

**29 1038CST** **0** **0** **0.50K** **Thunderstorm Wind**

Several trees blown down

**Franklin County**

**Charleston**

**29 1045CST** **0** **0** **0.50K** **Thunderstorm Wind**

Several trees blown down

Summary of events for May 29 1998:

A large complex of thunderstorms moving eastward across Kansas and Missouri early on the morning of May 29 turned right and moved southeastward across northwest Arkansas later on the morning of May 29 between 930 AM and Noon CDT. The strongest storms tracked from northwestern Benton County to southern Franklin County, producing marginally severe thunderstorm winds.

**Sebastian County**

**(Fsm)Ft Smith Muni A**

**31 1300CST** **0** **0** **Record Heat**

**1600CST**

The high temperature of 97 degrees at the Fort Smith Regional Airport (KFSM) was hot enough to break the old record high of 94 degrees Fahrenheit set back in 1934.

### OKLAHOMA, Eastern

**Muskogee County**

**Ft Gibson**

**02 1510CST** **0** **0** **Hail (1.00)**

**Wagoner County**

**3 SE Okay**

**02 1510CST** **0** **0** **Hail (1.00)**



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### OKLAHOMA, Eastern

Muskogee County									
3 NE Muskogee	02	1534CST			0	0			Hail (1.00)

Cherokee County									
Cookson	02	1545CST			0	0			Hail (0.88)

Muskogee County									
Braggs	02	1548CST			0	0			Hail (0.75)

Sequoyah County									
Gore	02	1555CST			0	0			Hail (0.75)

Adair County									
Bunch	02	1600CST			0	0			Hail (0.75)

Le Flore County									
Poteau	02	1650CST			0	0			Hail (0.75)

Thunderstorm wind gusts to 50 mph also reported at Poteau at 548 PM CDT (448 PM CST)

Le Flore County									
Poteau Kerr Arpt	02	1650CST			0	0			Hail (2.00)

Sequoyah County									
1 N Muldrow	02	1650CST			0	0			Hail (1.00)

Le Flore County									
Cameron	02	1651CST			0	0			Hail (0.75)

Haskell County									
Stigler	02	2100CST			0	0			Hail (0.88)

Le Flore County									
Pocola	02	2105CST			0	0			Hail (0.75)

Summary of events for May 2 1998:

Scattered severe thunderstorms developed along a southward-moving cold front over eastcentral Oklahoma on the afternoon of May 2. During the evening, there were more severe thunderstorms that developed in southeast Oklahoma and moved eastward into westcentral Arkansas. Some of these storms produced very large hail as evidenced by hail as large as 2 inches in diameter at Poteau.

Creek County									
7 W Kellyville	05	0300CST			0	0			Hail (0.75)

Near south side of Heyburn Lake

Creek County									
4 W Kellyville	05	0310CST			0	0			Hail (1.75)

2 miles east of Heyburn Lake

Okfuskee County									
5 WSW Okemah	05	0310CST			0	0			Hail (0.88)

At intersection of SH 48 and I-40

Okfuskee County									
East Portion	05	0330CST 0600CST			0	0			Flash Flood

SH 56 was covered by water 3 miles northeast of Okemah. The NWS cooperative observer in Okemah reported 3.95 inches of rain, and the Oklahoma mesonet site near Okemah reported 3.67 inches of rain. At the mesonet site, 2.71 inches of the rain fell between 345 AM CDT and 500 AM CDT, a rate of over 2 inches per hour.

Okfuskee County									
Pharoah	05	0340CST			0	0			Hail (0.88)

Okfuskee County									
7 E Okemah	05	0345CST			0	0			Hail (0.88)

Hail accumulated to depths of 1 to 2 inches



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<b><u>OKLAHOMA, Eastern</u></b>									
<b>Okmulgee County</b> 5 N Henryetta	05	0418CST			0	0			Hail (1.00)
<b>Okmulgee County</b> Henryetta	05	0430CST			0	0			Hail (0.88)
Report from downtown Henryetta									
<b>Okmulgee County</b> Henryetta	05	0430CST			0	0	30K		Lightning
Lightning struck a TV antenna and set fire to a residence in Henryetta. The home was about a 50 percent loss.									
<b>Mcintosh County</b> 2 E Hitchita	05	0450CST 0530CST			0	0			Flash Flood
US Hwy 266 was under water 2 miles east of Hitchita near Gaines Creek.									
<b>Okmulgee County</b> Henryetta	05	0450CST 0530CST			0	0			Flash Flood
Water covered the east end of Main Street in Henryetta. The street had to be closed for a time. The NWS cooperative observer 2 miles northeast of Dewar reported 2.50 inches of rain.									
<b>Okfuskee County</b> Okemah	05	0500CST			0	0	0.10K		Thunderstorm Wind
Tree knocked down by thunderstorm winds									
<b>Okfuskee County</b> Weleetka	05	0517CST			0	0			Hail (0.88)
<b>Pittsburg County</b> 3 SW Mc Alester	05	0551CST			0	0			Hail (1.00)
<b>Haskell County</b> 1 S Mc Curtain	05	0635CST			0	0			Hail (0.75)
<b>Pushmataha County</b> 8 NE Moyers	05	0700CST			0	0			Hail (0.75)
<b>Pushmataha County</b> 8 NE Moyers	05	0700CST			0	0	40K		Lightning
Lightning set fire to and destroyed an old house									
<b>Pushmataha County</b> Antlers	05	0805CST			0	0			Hail (0.75)
<b>Choctaw County</b> 2 E Speer	05	0810CST			0	0			Hail (0.75)
Summary of events for May 5 1998:									
A large complex of thunderstorms (known to meteorologists as a nocturnal MCS) formed during the early morning hours of May 5 over northcentral Oklahoma. The complex of thunderstorms then dropped to the southeast, affecting a broad area from Stillwater to Mc Alester to Antlers. As is typical with this kind of weather setup, there were reports of locally heavy rain, high winds, and numerous reports of hail as large as quarters. There were also frequent lightning strikes with these storms that set fire to a house in Pushmataha County. Overall, Okfuskee County received the worst of the storm with numerous reports of large hail and torrential, flooding rains.									
<b>Le Flore County</b> Heavener	06	0221CST			0	0			Hail (0.88)
<b>Le Flore County</b> Poteau	06	0300CST 0330CST			0	0			Flash Flood



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### OKLAHOMA, Eastern

High water temporarily covered Dewey Avenue near the hospital. The NWS cooperative observer at the Poteau Water Works reported 2.14 inches of rain in the 24 hours ending at 7 AM CDT 5/6.

Summary of events for morning of May 6 1998:

Scattered thunderstorms developed over southeast Oklahoma during the early morning hours of May 6. The axis of thunderstorm activity and heaviest rainfall was just south of Interstate 40, with initial development taking place in McIntosh County and the thunderstorm emphasis shifting eastward toward Le Flore County. Over Le Flore County, the thunderstorms became severe, producing hail to the size of nickels near Heavener and torrential, flooding rainfall near Poteau.

Okfuskee County Welty	06	1600CST			0	0			Hail (0.88)
Okmulgee County 2 SW Nuyaka	06	1624CST			0	0			Hail (1.00)
Okmulgee County Nuyaka	06	1628CST			0	0			Hail (0.75)
Okmulgee County 2 W Okmulgee	06	1650CST			0	0			Funnel Cloud
Okmulgee County 4 W Hector	06	1655CST			0	0			Funnel Cloud

Funnel cloud reported at 251st Street and US Hwy 75, just south of the Tulsa county line.

Okmulgee County 1 N Okmulgee	06	1655CST			0	0			Hail (0.75)
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Thunderstorm wind gusts up to 55 mph also reported

Creek County Mounds	06	1657CST			0	0			Hail (0.75)
Creek County Mounds	06	1657CST			0	0			Thunderstorm Wind (G65)
Muskogee County Boynton	06	1700CST			0	0			Hail (1.75)
Muskogee County Boynton	06	1713CST	0.1	30	0	0			Tornado (F0)

Brief tornado touchdown. No known damage or injuries.

Washington County 1 S Bartlesville	06	1715CST			0	0			Hail (0.75)
Okmulgee County 7 E Morris	06	1717CST			0	0			Funnel Cloud

A TV meteorologist from KOTV reported a funnel cloud lifting back up into the clouds.

Muskogee County Boynton	06	1720CST			0	0			Hail (0.75)
Muskogee County 5 E Boynton	06	1721CST	0.1	30	0	0			Tornado (F0)

Brief tornado touchdown in open country

Muskogee County 5 S Boynton	06	1731CST			0	0	0.10K		Thunderstorm Wind
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Three-inch tree limbs blown down along SH 72

Muskogee County Muskogee	06	1732CST			0	0			Hail (0.75)
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Dime-sized hail on Country Club Road in Muskogee



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### OKLAHOMA, Eastern

<b>Tulsa County</b>									
Tulsa	06	1735CST			0	0			Hail (0.75)
Dime-sized hail near 66th Street North and US Hwy 75									
<b>Tulsa County</b>									
Tulsa	06	1735CST			0	0			Hail (0.75)
Dime-sized hail near 45th Street North and Delaware									
<b>Washington County</b>									
Oglesby	06	1735CST			0	0			Hail (0.75)
<b>Tulsa County</b>									
Bixby	06	1743CST			0	0	0.10K		Thunderstorm Wind
Several mature trees blown down along US Hwy 64 near 171st Street in Bixby									
<b>Rogers County</b>									
Talala	06	1745CST			0	0			Hail (0.75)
<b>Wagoner County</b>									
Tulahassee	06	1745CST			0	0	0.10K		Thunderstorm Wind (G52)
Several large tree limbs down									
<b>Tulsa County</b>									
Tulsa	06	1750CST 1930CST			0	0			Flash Flood
Northbound lane of Riverside Drive was impassable in spots from 61st Street to the pedestrian bridge due to high water. Several roadways under water in north Tulsa.									
<b>Creek County</b>									
1 E Shamrock	06	1759CST			0	0			Hail (0.75)
<b>Craig County</b>									
7 SSW Vinita	06	1800CST			0	0			Hail (0.88)
Nickel-sized hail at Big Cabin									
<b>Cherokee County</b>									
Tahlequah	06	1818CST			0	0			Hail (0.75)
<b>Delaware County</b>									
Eucha	06	1825CST			0	0	0.50K		Thunderstorm Wind
Park ranger reported numerous large tree limbs down									
<b>Haskell County</b>									
Stigler	06	1845CST			0	0			Hail (0.88)
<b>Mayer County</b>									
Disney	06	1845CST			0	0	2K		Thunderstorm Wind
The top of a tree blew off causing slight damage to a trailer									
<b>Adair County</b>									
1 S Bunch	06	1850CST			0	0			Hail (1.25)
<b>Pittsburg County</b>									
5 W Blocker	06	1905CST			0	0	3K		Thunderstorm Wind
Power lines and trees blown down									
<b>Haskell County</b>									
3 S Stigler	06	1906CST			0	0			Funnel Cloud
<b>Haskell County</b>									
4 E Stigler	06	1912CST			0	0			Funnel Cloud
<b>Pittsburg County</b>									
4 SW Quinton	06	1927CST	0.1	30	0	0			Tornado (F0)





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### OKLAHOMA, Eastern

Emergency management director reported a tornado 4 miles southwest of Quinton. No known damage or injuries.

#### **Pittsburg County**

##### **Quinton**

06	1932CST 1933CST	0.3	30	0	0	2K		<b>Tornado (F0)</b>
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A brief tornado touchdown in Quinton knocked power lines down. There are no known injuries with this tornado. The parent storm produced a tornado 4 miles southwest of Quinton just five minutes earlier.

#### **Sequoyah County**

##### **1 E Muldrow**

06	1932CST			0	0			<b>Thunderstorm Wind (G52)</b>
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#### **Le Flore County**

##### **Panama**

06	1935CST			0	0			<b>Hail (0.88)</b>
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#### **Haskell County**

##### **4 W Kinta**

06	1938CST			0	0			<b>Funnel Cloud</b>
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#### **Le Flore County**

##### **Calhoun**

06	1938CST 1939CST	0.8	150	0	2	100K		<b>Tornado (F1)</b>
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At 838 PM CDT, a tornado touched down in the small community of Calhoun. Six homes in Calhoun were damaged, four of which were considered destroyed. One of the six was a mobile home. Two minor injuries occurred when a home was lifted off of its concrete block foundation and destroyed. Wind speed estimates based on the damage suggests velocities were in the upper end of the F1 category, meaning wind in Calhoun were near 110 mph.

#### **Haskell County**

##### **Cartersville**

06	1940CST	0.1	30	0	0			<b>Tornado (F0)</b>
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Civil defense director reported a brief tornado touchdown near Cartersville. There is no known damage or injuries with this tornado.

#### **Le Flore County**

##### **Panama**

06	1942CST			0	0			<b>Hail (1.00)</b>
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#### **Le Flore County**

##### **Bokoshe**

06	1944CST			0	0			<b>Hail (1.00)</b>
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#### **Le Flore County**

##### **1 N Poteau**

06	1944CST			0	0			<b>Thunderstorm Wind (G50)</b>
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#### **Le Flore County**

##### **Poteau**

06	1954CST			0	0			<b>Hail (1.50)</b>
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#### **Le Flore County**

##### **Poteau**

06	1954CST			0	0	10K		<b>Thunderstorm Wind (G52)</b>
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Several houses in Poteau were damaged, and several trees were blown down.

Summary of events for May 6:

Numerous severe thunderstorms developed over eastern Oklahoma during the late afternoon and evening hours of May 6. Many of these thunderstorms developed rotation with some storms ultimately producing tornadoes.

The first thunderstorms of the day developed over central Oklahoma and then moved eastward toward Okfuskee County after 430 PM CDT, traversing the counties along and just north of I-40 through 730 PM CDT before exiting into Arkansas to the east of Stilwell and Sallisaw. These thunderstorms produced large hail, numerous reports of funnel clouds, and two brief tornado touchdowns in Muskogee County. Other severe thunderstorms developed behind the first cluster, producing severe weather primarily in Creek and Okmulgee Counties from 700 PM to 830 PM CDT.

Other severe thunderstorms developed rapidly around 600 PM CDT along a weak cold front across the northern border counties of Oklahoma. These storms primarily produced large hail.

Further south in southeast Oklahoma, a cap of warm air in the mid-levels of the atmosphere prevented thunderstorm development until around 700 PM CDT with the approach of an upper level disturbance. Once thunderstorms developed in Pittsburg County, they rapidly became severe and began rotating. These storms moved east across Haskell and northern Le Flore Counties through 900 PM CDT, producing large hail, numerous reports of funnel clouds, several brief tornado touchdowns and a tornado producing considerable damage in the small town of Calhoun in northwestern Le Flore County. At the time of the Calhoun tornado, the WSR-88D near Fort Smith had its first algorithm-induced tornado vortex signature (TVS).

#### **Delaware County**

##### **5 W Jay**

07	1833CST			0	0			<b>Hail (0.88)</b>
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# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 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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### OKLAHOMA, Eastern

Strong thunderstorms moved southeastward out of Kansas late on the afternoon of May 7 on the back side of an upper level weather system in northwesterly flow aloft. For the most part, these storms remained below severe limits, but one storm strengthened enough to cause a report of nickel-sized hail west of Jay.

<b>Delaware County Kansas</b>	<b>09</b>	<b>1040CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Sequoyah County 4 NW Muldrow</b>	<b>09</b>	<b>1130CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Sequoyah County 3 SW Short</b>	<b>09</b>	<b>1145CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Pittsburg County 1 SW Crowder</b>	<b>09</b>	<b>1430CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
<b>Pittsburg County Blocker</b>	<b>09</b>	<b>1450CST</b>			<b>0</b>	<b>0</b>	<b>0.30K</b>		<b>Thunderstorm Wind</b>
Several trees blown down									
<b>Pittsburg County Quinton</b>	<b>09</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Pittsburg County Featherston</b>	<b>09</b>	<b>1502CST</b>			<b>0</b>	<b>0</b>	<b>0.10K</b>		<b>Thunderstorm Wind</b>
Large tree limbs blown down									
<b>Le Flore County Poteau</b>	<b>09</b>	<b>1545CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Le Flore County Poteau</b>	<b>09</b>	<b>1555CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.88)</b>
<b>Le Flore County Poteau</b>	<b>09</b>	<b>1557CST</b>			<b>0</b>	<b>0</b>	<b>0.10K</b>		<b>Thunderstorm Wind</b>
Large trees blown down									
<b>Le Flore County Conser</b>	<b>09</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
<b>Le Flore County Heavener</b>	<b>09</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.88)</b>
<b>Le Flore County 3 S Poteau</b>	<b>09</b>	<b>1604CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.88)</b>

Summary of events for May 9 1998:

Scattered areas of severe thunderstorms developed across eastern Oklahoma from the late morning through the late afternoon on May 9. These storms formed as an upper level low and cold air aloft approached the area and to the north of a surface warm front. Due to the proximity north of a warm front, the primary threat with any of these storm was large hail to the size of quarters and marginally severe thunderstorm wind gusts.

While other non-severe thunderstorms rumbled around eastern Oklahoma earlier in the morning, the first severe storms formed in far eastern Oklahoma around 1130 AM CDT along and north of I-40 and quickly moved east into Arkansas. Other severe storms formed by 330 PM CDT in Pittsburg and moved eastward to the Arkansas state line east of Poteau shortly after 500 PM CDT.

### **OKZ060**

#### **Tulsa**

<b>14</b>	<b>0400CST 0700CST</b>			<b>0</b>	<b>0</b>			<b>Record Warm</b>
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The low temperature for May 14 at the Tulsa International Airport was 71 degrees Fahrenheit. This is the warmest low temperature on record for May 14, breaking the old record of 70 set back in 1991.

### **Pawnee County**

<b>Ralston</b>	<b>15</b>	<b>0530CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
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# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 1998

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### OKLAHOMA, Eastern

Osage County Fairfax	15	0535CST			0	0			Hail (0.75)
Osage County Fairfax	15	0535CST			0	0			Thunderstorm Wind (G52)
Osage County 3 NE Bowring	15	0645CST			0	0			Hail (0.75)
Washington County 2 NW Copan	15	0655CST			0	0			Hail (0.75)

Summary of events for May 15 1998:

A line of strong to severe thunderstorms that originally developed over the Texas panhandle moved eastward into Osage and Pawnee Counties around 600 AM CDT on the morning of May 15. This line quickly swept across northeast Oklahoma to the north of I-44 as an upper level system moving northeastward from New Mexico interacted with a pacific cold front. This line of storms weakened as it moved east of Washington County. These storms produced marginally severe wind and hail.

Nowata County South Coffeyville	24	2035CST			0	0			Hail (0.88)
Osage County Grainola	24	2040CST			0	0			Hail (0.75)
Osage County Grainola	24	2040CST			0	0	0.10K		Thunderstorm Wind

Large tree limbs blown down

Osage County Foraker	24	2105CST			0	0			Hail (1.00)
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In addition, a 53 mph thunderstorm gust was measured at the Oklahoma mesonet site 8 miles ESE of Foraker at 1030 PM CDT.

Osage County Shidler	24	2110CST			0	0			Thunderstorm Wind (G61)
Osage County Burbank	24	2120CST			0	0			Thunderstorm Wind (G61)
Craig County 12 W Welch	24	2125CST			0	0			Thunderstorm Wind (G52)
Osage County 5 NW Pawhuska	24	2206CST			0	0			Thunderstorm Wind (G61)

In addition, the Oklahoma mesonet site 2 S Wynona measured a wind gust of 51 miles an hour at 1145 PM CDT.

Osage County North Portion	24 25	2215CST 0030CST			0	0			Flash Flood
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County roads 5 miles west of Grainola were flooded, and there was an unofficial report of 4 inches of rain near the same area. This forced Beaver Creek to be near bankfull. The Oklahoma mesonet site 8 miles ESE of Foraker reported 2.33 inches of rain between 1015 and 1115 PM CDT on May 24 with 1.61 inches of rain falling in just 30 minutes time for a rainfall rate of over 3 inches per hour. By 100 AM CDT (5/25), 3.38 inches of rain had fallen at 8\_ESE Foraker.

Washington County Copan	24	2225CST			0	0			Thunderstorm Wind (G52)
Craig County 4 E Centralia	24	2230CST			0	0			Hail (1.00)
Osage County Shidler	24	2250CST			0	0			Hail (0.75)
Nowata County Nowata	24	2310CST			0	0			Thunderstorm Wind (G52)
Osage County 1 W Hominy	24	2336CST			0	0			Thunderstorm Wind (G52)



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 1998

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### OKLAHOMA, Eastern

<b>Craig County</b>									
<b>Vinita</b>	24	2345CST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>Delaware County</b>									
<b>4 W Bernice</b>	24	2358CST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>Ottawa County</b>									
<b>Afton</b>	25	0005CST			0	0			<b>Thunderstorm Wind (G61)</b>
			Reported near Vo-Tech school						
<b>Osage County</b>									
<b>Avant</b>	25	0015CST			0	0			<b>Thunderstorm Wind (G52)</b>
<b>Washington County</b>									
<b>Vera</b>	25	0030CST			0	0	0.30K		<b>Thunderstorm Wind</b>
			Several trees blown down						
<b>Rogers County</b>									
<b>Talala</b>	25	0040CST			0	0	0.10K		<b>Thunderstorm Wind</b>
			Large tree limbs blown down						
<b>Mayes County</b>									
<b>Disney</b>	25	0130CST			0	0			<b>Hail (0.88)</b>
<b>Delaware County</b>									
<b>Chloeta</b>	25	0145CST			0	0			<b>Hail (1.00)</b>
<b>Delaware County</b>									
<b>Colcord</b>	25	0210CST			0	0			<b>Hail (1.75)</b>
<b>Pawnee County</b>									
<b>Cleveland</b>	25	0400CST			0	0			<b>Hail (0.75)</b>
<b>Tulsa County</b>									
<b>Tulsa</b>	25	0505CST			0	0	0.10K		<b>Lightning</b>
			Lightning split a tree and the tree fell across 91st Street South 2 blocks east of Yale Ave.						
<b>Tulsa County</b>									
<b>Bixby</b>	25	0510CST			0	0			<b>Hail (0.75)</b>
<b>Tulsa County</b>									
<b>Glenpool</b>	25	0512CST			0	0	0.10K		<b>Thunderstorm Wind</b>
			Large tree limbs blown down						

Summary of events for May 24-25 1998:

Many severe thunderstorms affected northern Oklahoma during the evening of May 24 and the early morning of May 25. On the evening of May 24, the first thunderstorms moved south of the Kansas state line after 900 PM CDT. After that, individual thunderstorms kept moving along a quasi-stationary front near the Oklahoma/Kansas border, causing one thunderstorm after another to move over the same areas just south of the Kansas state line. One result was widespread rainfall amounts in excess of one inch with a storm total of 3.68 inches reported 8 ESE of Foraker and several unofficial reports of about 4 inches. These storms were also prolific wind producers with thunderstorm gusts of 60 to 70 miles an hour common across the northern border counties. Additionally, there were reports of a tornado touchdown north of Pawhuska and hail as large as quarters. After 1100 PM CDT, the last in the series of storms took a more southward route across Rogers, Mayes, and Delaware Counties, producing severe winds and hail as large as golfballs, before exiting into Benton County AR around 300 AM CDT.

Around 200 AM CDT, more severe thunderstorms developed in northwest Oklahoma and moved east along an outflow boundary produced by the earlier thunderstorms. These storms moved across Pawnee and Tulsa Counties between 430 AM and 630 AM CDT, producing marginally severe hail and winds. These storms weakened below severe levels as they moved past Tulsa County.