



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1999

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

Crawford County
5 N Van Buren

01 0535CST 0 0 Hail (0.75)

An isolated early morning thunderstorm produced dime-sized hail in the 5400 block of north AR Hwy 59.

Crawford County
3 E Van Buren

01 1914CST 0 0 Thunderstorm Wind (G52)

Sebastian County
Huntington

01 1933CST 0 0 Thunderstorm Wind (G52)

Sebastian County
Hartford

01 1942CST 0 0 20K Thunderstorm Wind

Strong winds caused much damage in the Hartford area. All roads in and out of Hartford, except AR Hwy 96, were blocked by fallen trees and power lines. One residence had an electric meter torn off, a barn lost its roof, and the school gymnasium lost its roof. At least one house in Hartford lost its roof. Numerous tree and power lines were blown down.

Sebastian County
Mansfield

01 2044CST 0 0 Thunderstorm Wind (G66)

Madison County
Kingston

01 2100CST 0 0 Hail (0.75)

Summary of events for the evening of June 1 1999:

Scattered severe thunderstorms formed along a cold front as it slowly moved southeast across Northwest Arkansas on the evening of June 1. These storms mainly produced damaging winds and marginally severe hail.

ARZ019-029

Crawford - Sebastian

02 0500CST 0 0 Flood
12 2000CST

The Arkansas River at Van Buren rose above its flood stage of 22 feet at 600 AM CDT on June 2. The river crested at a level of 23.2 feet at 500 AM CDT on June 3 before falling back below flood stage at 900 PM CDT on June 12.

Carroll County
Southeast Portion

10 1515CST 0 0 Flash Flood
1615CST

Several county roads were flooded southeast of Berryville.

ARZ029

Sebastian

16 0000CST 0 0 Record Cool
2359CST

The high temperature of 74 degrees Fahrenheit at the Fort Smith Regional Airport ties for being the coolest high temperature on record for June 16.

Sebastian County
Ft Smith

24 1330CST 0 0 Flash Flood
1530CST

A slow-moving line of thunderstorms dumped between one to two inches of rain in Fort Smith, most of it falling in a 30 to 45 minute time frame. This caused numerous streets to flood and numerous vehicles to stall in Fort Smith. Near 16th and Grand, cars were floating in the floodwaters. A newspaper clipping pictured a van stalled in high water near North 10th and "C" Streets, while another photo showed two women walking in knee-deep water near North 8th and "I" Streets.

Sebastian County
Ft Smith

24 1331CST 0 0 Hail (0.75)

ARZ019-029

Crawford - Sebastian

25 0500CST 0 0 Flood
26 2000CST

The Arkansas River at Van Buren rose above its flood stage of 22 feet at 600 AM CDT on June 25. The river crested at a level of 22.5 feet at 800 AM CDT on June 26 before falling back below flood stage at 900 PM CDT on June 26.

Sebastian County
Ft Smith

25 1800CST 0 0 Flash Flood
1900CST

For the second day in a row, the city of Fort Smith received a quick burst of heavy rainfall, causing more streets to be closed by high water. The low-water crossing at 66th and Park had water flowing over it.



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ARKANSAS, Northwest

Sebastian County Greenwood	29	1443CST			0	0			Thunderstorm Wind (G52)
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Sebastian County Hackett	29	1443CST			0	0			Thunderstorm Wind (G52)
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Sebastian County Ft Smith to Ft Smith Muni Arprt	29	1445CST			0	0	40K		Thunderstorm Wind (G52)
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Winds estimated by spotters of 60 miles an hour damaged several roofs, and a trailer was overturned by the winds near the Wal-Mart Supercenter in east Fort Smith. Also, several trees were blown down, and an Air Guard outbuilding at the Fort Smith Regional Airport was destroyed. The coverage of severe winds was fairly small given a peak wind gust at the airport's nearby weather observing equipment of only 35 knots (39 miles an hour).

Sebastian County Barling	29	1500CST			0	0	0.50K		Thunderstorm Wind
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Several trees were blown down in Barling.

Sebastian County Barling	29	1500CST			0	0	0.50K		Thunderstorm Wind
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Several trees were blown down in Barling.

Franklin County Charleston	29	1502CST			0	0			Thunderstorm Wind (G57)
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Crawford County Alma	29	1510CST			0	0	50K		Lightning
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A nursing home in Alma caught fire and was destroyed when lightning struck the home. All of the residents were evacuated safely, and none were injured.

Crawford County Mulberry	29	1515CST			0	0	3K		Thunderstorm Wind (G52)
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Power lines, a few trees, and numerous 3-4" diameter tree limbs were blown down in Mulberry.

Crawford County 4 W Alma	29	1518CST 1600CST			0	0			Flash Flood
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US Hwy 64 between Alma and Van Buren was closed for a time by high water. Several streets in Alma were also under water.

Franklin County Altus	29	1520CST			0	0	2.5K		Thunderstorm Wind
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Numerous power lines and trees were blown down in Altus.

Summary of events for June 29 1999:

A cluster of severe thunderstorms moved out of eastern Oklahoma and into westcentral Arkansas on the afternoon of June 29 along a nearly stationary front. These storms produced several severe wind reports and excessive rainfall along the Arkansas River valley. The most significant damage occurred in Fort Smith when a short line of storms "bowed" out, producing winds strong enough to cause damage to permanent structures.

Washington County Johnson	30	0500CST			0	0	75K		Lightning
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Lightning caused a fire that heavily damaged a duplex in Johnson.

Benton County West Portion	30	0530CST 0630CST			0	0	100K		Flash Flood
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ARKANSAS, Northwest

Several roads in western Benton County were flooded, including AR Hwy 43 near Maysville, AR Hwy 12 east of Gentry, and AR Hwy 59 near Sleepy Hollow. AR Hwy 264 was flooded, blocking access to the NW Arkansas Regional Airport.

In Maysville, Beaty Creek overflowed its banks, drowning at least 50,000 2-week old chickens at one chicken farm. Nearby along AR Hwy 43 two houses were flooded as well as several vehicles parked nearby. The water in one of the houses was apparently so high that the refrigerator was floating. Several propane tanks floating down the creek became lodged under the Hwy 43 bridge. The Maysville Baptist Church was also lightly flooded.

Near Decatur and Gentry, the bridge across the rain-swollen Flint Creek was completely submerged. There was also flood damage to Wagon Wheel Road and Butler Road.

Madison County

Japton

30	0530CST				0	0	10K		Flash Flood
	0630CST								

A bridge on a county road was washed out near Japton.

Washington County

North Portion

30	0530CST				0	0	450K		Flash Flood
	0630CST								

In Springdale, US Hwy 71B was flooded. High water forced the closing of Gutensohn Road just north of Sunset Avenue and bridges at Silent Grove and Shady Grove Roads.

In Fayetteville, creeks overflowed into several neighborhoods, including the low-lying Willow Springs subdivision in west Fayetteville, where several homes sustained several thousand dollars in flood damage. The area near 18th Street and Beechwood Avenue, which connects to AR Hwy 16, was also flooded. Garland Avenue, which becomes AR Hwy 112, was flooded in places. The corner of AR Hwy 16 and AR Hwy 265 also flooded.

Damage to roads throughout Washington County was estimated at \$400,000. Initial assessments showed damage to 50 miles of county roads with four bridges destroyed, impassable or needing significant repairs. Among the worst hit was a low-water bridge over the War Eagle River on Washington County Road 526, also known as Gar Hole Road, which collapsed after being undermined by raging flood waters. Other bridges damaged include a bridge on County Road 872 near the Harmon community, a low-water bridge on County Road 203 and a small bridge on County Road 2002 near the Black Oak community.

Washington County

Fayetteville

30	0800CST				0	0	50K		Lightning
	0840CST								

Lightning caused fires at two separate homes in Fayetteville between 9:00 and 9:40 AM CDT.

Sebastian County

Ft Smith

30	0820CST				0	0	250K		Flash Flood
	0920CST								

There was major street flooding in Fort Smith. Several homes on Briarcliff Drive were flooded with up to four feet of water. None of the homes were in a designated flood plain. The Red Cross assessed major damage to five homes and minor damage to six homes. A woman had to be rescued from the top of her car when the car stalled in high water on South 28th Street near I-540.

Crawford County

South Portion

30	0840CST				0	0	50K		Flash Flood
	0940CST								

A subdivision around Rickey Circle on the east side of Van Buren saw considerable flooding, causing some residents to abandon their homes. Employees at Van Buren's Industrial Park had to leave work late in the morning by boat. Firefighters helped evacuate two residences on Flat Rock Circle. In all, firefighters responded to nine flood-related calls and assisted stranded motorists in two of those incidents. Police rescued a woman and her infant child who were stranded by flood waters on Northview Drive. Several downtown Van Buren businesses were flooded with several inches of water. Portions of US Hwys 64 and 71 between Van Buren and Alma were closed by flooding for a time. AR Hwy 59 in Van Buren was also closed for a time. A portion of Rudy Road had to be closed briefly when the road was covered by 8 feet of water from the flooding Frog Bayou. Flash floods also hit portions of Orrick Road east of Alma. Otherwise, there was lots of street flooding in Van Buren. Damage to county roads was at least \$50,000.

Franklin County

Ozark

30	0845CST				0	0			Flash Flood
	0945CST								

There was lots of street flooding in Ozark. Several streets were impassable. Several homes and businesses were affected by the flooding.

Summary of events for June 30 1999:

Major flash flooding resulted across northwest Arkansas when a line of thunderstorms, containing torrential rainfall and associated with a nocturnal MCS, moved slowly southeastward across northwest Arkansas on the morning of June 30. Major flash flooding



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ARKANSAS, Northwest

was reported in several locations, most notably in the Fort Smith area and western Benton County.

The following are rainfall amounts measured at major airports across the region: NW Arkansas Regional Airport (Highfill) ...3.20", Fort Smith Regional Airport...2.62", and Drake Field (Fayetteville)...2.39". This came on top of an already-wet spring and measurable rainfall in the two days preceding this event.

ARZ019-029

Crawford - Sebastian

30	1000CST				0	0			Flood
	2359CST								

The Arkansas River at Van Buren rose above its flood stage of 22 feet at 1100 AM CDT on June 30. The river continued to rise at the close of June. Refer to the July 1999 Storm Data publication for crest information.

ARZ019

Crawford

30	1800CST				0	0			Flood
	2000CST								

The Lee Creek at Van Buren rose above its flood stage of 23 feet at 700 PM CDT on June 30. The creek quickly crested at 23.1 feet at 800 PM CDT before falling back below flood stage at 900 PM CDT that same evening.

OKLAHOMA, Eastern

Okfuskee County

Okemah	01	0345CST			0	0			Hail (0.88)
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Okfuskee County

Weleetka	01	0400CST			0	0	6K		Thunderstorm Wind
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A roof on a house was damaged, and numerous tree limbs were blown down.

Okmulgee County

Bryant	01	0415CST			0	0			Hail (2.50)
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Okmulgee County

Bryant	01	0415CST			0	0	0.50K		Thunderstorm Wind
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Several trees were blown down.

Okfuskee County

3 N Weleetka	01	0418CST	0.5	50	0	0			Tornado (F0)
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Spotters reported a brief tornado touchdown between Weleetka and Pharoah.

Mcintosh County

6 N Eufaula	01	0500CST			0	0			Hail (0.88)
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Location: Fountainhead State Park

Mcintosh County

Eufaula	01	0502CST			0	0			Hail (1.25)
		0503CST							

Haskell County

1 SE Stigler to Mc Curtain	01	0550CST			0	0			Hail (3.00)
		0600CST							

Le Flore County

Bokoshe	01	0630CST			0	0			Hail (0.75)
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Summary of events for morning of June 1 1999:

An isolated supercell thunderstorm quickly developed over Okfuskee County early on the morning of June 1, moving east-southeast for several hours to northern Le Flore County before quickly dissipating. Along the way, this isolated storm produced very large hail, damaging winds, and tornado touchdowns.

Ottawa County

2 NE Wyandotte	01	1540CST			0	0			Hail (0.88)
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Mayer County

Locust Grove	01	1552CST			0	0			Hail (1.75)
		1555CST							

A report of dime-sized hail at 452 PM CDT was upgraded to a report of golfball-sized hail at 455 PM CDT.



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OKLAHOMA, Eastern

Cherokee County

Lost City	01	1625CST			0	0			Hail (0.75)
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Cherokee County

6.5 WNW Hulbert to 6.5 WSW Hulbert	01	1635CST 1643CST	2	350	2	5	1.5M		Tornado (F3)
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A strong tornado, rated an F3, touched down in far western Cherokee County, possibly as a waterspout on Fort Gibson Lake. The tornado moved south onshore and through the rural Amber Hills housing area, crossing OK Hwy 51, and lifting after tracking through much of the Sequoyah State Park.

In the Amber Hills and Hammer Hill Road areas, a total of 68 homes sustained some form of damage. Of that, 17 single family dwellings and 13 mobile homes were destroyed. Eight single family dwellings sustained major damage and 11 others had minor damage. One mobile home sustained minor damage. Fourteen other single family dwellings and four other mobile homes were affected. In one of the destroyed mobile homes, an elderly man and woman were inside. The woman was killed immediately, and the man was seriously injured, dying one week later in a hospital of tornado-related complications. This becomes eastern Oklahoma's first killer tornado since the April 1994 Catoosa tornado.

Across OK Hwy 51 in Sequoyah State Park, between 400 and 500 trees were lost to the tornado. The carport at the park manager's residence was destroyed, and an RV was turned on its side. Fortunately, most Memorial Day campers had cleared out, therefore there were no injuries in the park.

F69MH, M69MH

Wagoner County

5 ESE Wagoner	01	1640CST			0	0	0.50K		Thunderstorm Wind
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Several trees were blown down near Taylor Ferry on the west side of Lake Fort Gibson.

Muskogee County

4 E Ft Gibson	01	1708CST			0	0	25K		Hail (1.75)
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Golfball-sized hail near Fort Gibson caused some damage to automobiles.

Muskogee County

2.2 WSW Ft Gibson to 4 SW Ft Gibson	01	1716CST 1721CST	2.3	100	0	0	2M		Tornado (F1)
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An F1 tornado touched down near the Port of Muskogee and moved south for 2.25 miles, lifting just south of Three Forks Park. This tornado destroyed three structures belonging to one business, destroyed two business outbuildings at 3-Forks Park, caused minor damage to one business under construction, and affected eight single family dwellings.

The most newsworthy result of this tornado was damage directly inflicted upon the OG&E electrical generation plant. The tornado damaged a coal conveyor belt and a cooling tower. The damage was enough to shut down two of the plant's four coal-powered generating units.

At the Fansteel plant, six buildings were torn down by the tornado, causing up to \$1.5 million damage there.

Mcintosh County

1 WNW Checotah to .5 S Checotah	01	1746CST 1749CST	1.3	75	0	0	1.6M		Tornado (F1)
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The F1 tornado described here was the first of two tornadoes to touch down in Checotah on the evening of June 1. Each tornado was spawned from the same parent thunderstorm. The first tornado travelled through a more densely populated area of Checotah and therefore caused more damage, even though the second tornado had a stronger intensity rating of F3 on the Fujita scale.

The first tornado touched down at 646 PM CDT on the west side of Checotah near the intersection of US Hwys 69 and 266 (West Gentry Avenue). The tornado then moved southeast through town, eventually lifting near the 700 block of South Broadway Street at 649 PM CDT. Spotters described the tornado as having a rope-like appearance.

Damage assessments in Checotah combined the effects of the first and second tornadoes. Overall for both tornadoes, there were a total of 75 homes that had some sort of damage. Here is the breakdown: six homes were destroyed, 21 homes sustained major damage, 48 homes sustained minor damage, three businesses sustained minor damage, and 28 head of cattle were killed. All of the business damage occurred with the first tornado. Most notably, a Wal-Mart near US Hwys 69 and 266 sustained roof and window damage, while a Pizza Hut on South Broadway Street sustained roof damage. In addition, numerous trees were blown down, with some trees falling onto vehicles and homes.

Mcintosh County

Checotah to 4.5 SE Checotah	01	1750CST 1806CST	4.5	350	0	0	700K		Tornado (F3)
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OKLAHOMA, Eastern

The F3 tornado described here was the second of two tornadoes to touch down in the Checotah area on the evening of June 1. Both tornadoes were spawned from the same parent thunderstorm. Even though this tornado had a stronger F-rating than the first, it caused less widespread damage since it travelled through a less densely populated area.

The second tornado touched down on the southeast side of Checotah near I-40 and Grapevine Road at 650 PM CDT. The tornado travelled southeast for 4.5 miles and then lifted at 706 PM CDT.

Damage assessments in Checotah combined the effects of the first and second tornadoes. For details of the damage assessment, see the third paragraph of the narrative for the Tornado entry immediately preceding this entry. This tornado, the second of the two, was rated an F3 based based on the near-complete destruction of a farm house 3 to 4 miles southeast of Checotah.

Muskogee County
3 S Braggs

01 1750CST 0 0 Hail (1.75)

Mcintosh County
1.5 NE Onapa to
1.5 SE Onapa

01 1757CST 2 75 0 0 40K Tornado (F2)

Spotters reported a tornado touchdown in open rangeland, moving due south for about 2 miles. Along the way, this tornado killed 28 head of cattle when they were hurled into a fence line. This tornado also caused minor damage to a home near Onapa.

Mcintosh County
3.5 SE Stidham to
4 W Eufaula

01 1811CST 2.3 100 0 0 Tornado (F0)

Spotters reported a tornado in open country. The tornado moved east-southeast for over two miles.

Pittsburg County
8 NE Canadian

01 1822CST 0.5 75 0 0 Tornado (F0)

Spotters reported a brief tornado touchdown in open country.

Pittsburg County
10 NE Canadian

01 1830CST 0.5 75 0 0 Tornado (F0)

Spotters reported a brief tornado touchdown in open country.

Haskell County
Keota

01 1845CST 0 0 0.50K Thunderstorm Wind

Several trees were blown down over OK Hwy 9 near Keota.

Muskogee County
Warner

01 1845CST 0 0 1K Thunderstorm Wind

Numerous trees were blown over near Warner.

Le Flore County
2 S Spiro to
Spiro

01 1854CST 0 0 40K Thunderstorm Wind (G52)

Strong winds knocked down numerous trees and power poles in Spiro. One very large tree branch fell onto a house, causing significant roof damage. Several business awnings and canopies were blown down and destroyed. A commercial garage had its roof blown off. At the Spiro ballfield, a power pole fell onto 3rd base, and the visitors' dugout back wall was blown out. An amateur radio spotter two miles south of Spiro reported winds gusting to 60 miles an hour.

Le Flore County
Pocola to
Scullyville

01 1858CST 0 0 70K Thunderstorm Wind

Strong winds damaged three mobile homes in Pocola. Trees falling onto power lines caused power outages to 2,000 electric customers in Pocola, Scullyville, and Murry Spur.

Le Flore County
3 E Panama

01 1859CST 0 0 Thunderstorm Wind (G61)

Muskogee County
Porum

01 1900CST 0 0 1K Thunderstorm Wind

Numerous trees were blown down near Porum.

Sequoyah County
Vian

01 1900CST 0 0 3K Thunderstorm Wind

Tree limbs and power lines were blown down in Vian.



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OKLAHOMA, Eastern

Le Flore County Cameron	01	1905CST			0	0	4K		Thunderstorm Wind
<p>Winds peeled the roof off of a mobile home.</p>									
Le Flore County 4 S Poteau	01	1915CST			0	0	4K		Thunderstorm Wind
<p>At least 15 large trees were uprooted along old Hwy 59 between Poteau and Howe. One tree fell onto a storage shed, and a home lost numerous shingles.</p>									
Le Flore County Heavener	01	1930CST			0	0	2K		Thunderstorm Wind
<p>A very large tree branch fell onto a pickup truck and a car on the Old Pike. Four power lines were blown over, knocking out power to Heavener for a time. Several other utility poles and tree branches were blown down in Heavener.</p>									
Pittsburg County 1 W Quinton	01	1940CST			0	0			Hail (1.00)
Choctaw County 7 W Hugo	01	2000CST			0	0			Hail (0.75)
Le Flore County Summerfield	01	2000CST			0	0			Hail (0.75)
Le Flore County Summerfield	01	2000CST			0	0	0.10K		Thunderstorm Wind
<p>Several large tree limbs were blown down in Summerfield.</p>									
Haskell County Kinta	01	2015CST			0	0	1K		Thunderstorm Wind
<p>Numerous trees were blown down near Kinta.</p>									
Choctaw County Hugo	01	2046CST			0	0			Hail (1.75)
<p>Summary of events for the afternoon and evening of June 1 1999:</p>									
<p>A cold front moving in from the northwest moved into an extremely unstable air mass on the afternoon of June 1. Along the front, an isolated supercell thunderstorm developed around the Pryor/Locust Grove area and then moved in a slow and unusual south-southwest direction. This storm produced very large hail in addition to several strong tornadoes. This storm also produced eastern Oklahoma's first killer tornado in at least half of a decade.</p>									
OKZ057>058	Craig - Ottawa				0	0			Flood
	01	2100CST							
	04	0400CST							
<p>The Neosho River at Commerce rose above its flood stage of 15 feet at 1000 PM CDT on June 1. The river crested at a level of 15.3 feet at 1100 PM CDT on June 3 before falling back below flood stage at 500 AM CDT on June 4.</p>									
OKZ060-073	Tulsa - Pittsburg				0	0			Record Warmth
	04	0000CST							
	05	2359CST							
<p>There was record warmth at both the Tulsa International Airport and the McAlester Regional Airport on June 4 and 5.</p>									
<p>On June 4, the low temperature of 75 degrees Fahrenheit at the Tulsa International Aiport tied for being the warmest low temperature on record for the date. At the McAlester Regional Airport, the low temperature of 76 degrees Fahrenheit broke the record for being the warmest low temperature on record for the date.</p>									
<p>On June 5, the low temperature of 75 degrees Fahrenheit broke the record for being the warmest low temperature on record for the date.</p>									
Osage County Pawhuska	07	1515CST			0	0			Hail (0.88)
Tulsa County Collinsville	07	1533CST			0	0			Hail (0.75)



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					Killed	Injured	Property	Crops	

OKLAHOMA, Eastern

Washington County									
Vera	07	1540CST			0	0			Hail (0.75)
Rogers County									
4 NE Collinsville	07	1600CST			0	0			Hail (0.75)
Pawnee County									
Cleveland	07	1655CST			0	0	0.10K		Thunderstorm Wind
Several large tree limbs were blown down in Cleveland.									
Muskogee County									
Muskogee	07	1830CST			0	0			Hail (0.88)
Muskogee County									
Muskogee	07	1830CST			0	0			Thunderstorm Wind (G52)
Muskogee County									
Muskogee	07	1830CST 1930CST			0	0	3K		Urban/Sml Stream Fld
A woman in her car had to be rescued on Chandler Road when her car stalled out in high water.									
Wagoner County									
3 E Porter	07	1850CST			0	0			Hail (0.75)
Wagoner County									
Wagoner	07	1900CST			0	0			Lightning
A bolt of lightning shut off power to Wagoner's water plant. The water supply was drained, and the town was without tap water until the morning of June 11.									
Muskogee County									
1 W Muskogee	07	1930CST			0	0			Hail (1.00)
Mcintosh County									
Hitchita	07	1950CST			0	0			Hail (1.00)
Muskogee County									
Boynton	07	1955CST			0	0			Hail (0.88)
Okmulgee County									
5 N Beggs	07	2045CST			0	0			Hail (1.00)
Okmulgee County									
5 N Beggs	07	2045CST			0	0			Thunderstorm Wind (G57)
Okmulgee County									
Preston	07	2103CST			0	0			Hail (1.00)
Creek County									
Sapulpa	07	2300CST			0	0	0.20K		Thunderstorm Wind
A tree and several large tree limbs were blown over in Sapulpa.									
Summary of events for June 7 1999:									
A weak spin in the upper atmosphere, the remains of an old MCS, moved across northeast Oklahoma on the afternoon of June 7. With only weak wind fields present that day, these storms were pulse-like in nature and quickly became outflow-dominated. These storms mainly produced hail up to quarter-size and marginally severe winds in a widely scattered, random fashion around the area.									
Muskogee County									
Muskogee	10	1300CST 1400CST			0	0	10K		Flash Flood
About 3/4" of rain fell in a short time in Muskogee, causing water to quickly rise and seep into the Heritage Home Nursing Center on Denver Street. At least one car parked in front of the nursing center was flooded out. At least one street in Muskogee was temporarily closed by high water.									
Pittsburg County									
Mc Alester	10	1510CST			0	0			Hail (1.00)



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1999

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

Wagoner County

Wagoner	10	1520CST 1620CST			0	0			Flash Flood
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There was street flooding in Wagoner.

Osage County

5 N Fairfax	11	2245CST			0	0			Hail (0.88)
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An isolated severe thunderstorm formed on the evening of June 11 just west of Hominy along a weak east-west boundary. This storm moved west-northwest to south of the Burbank area. This storm produced nickel-sized hail as it crossed OK Hwy 18 north of Foraker.

Tulsa County

13 SE Tulsa	11	2245CST 2345CST			0	0			Flash Flood
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An isolated and nearly stationary thunderstorm caused street flooding near 101st and Yale in Tulsa.

Pittsburg County

(Mlc)Mc Alester Muni	16	0000CST 2359CST			0	0			Heavy Rain
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The daily rainfall total of 1.17 inches at the McAlester Regional Airport broke the old daily rainfall record for June 16.

OKZ060

Tulsa

16	16	0000CST 2359CST			0	0			Record Cool
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The high temperature of 73 degrees Fahrenheit at the Tulsa International Airport is the coolest high temperature on record for this date, therefore breaking the record low maximum temperature.

Cherokee County

Countywide	20	0345CST 0800CST			0	0			Flash Flood
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There was flooding between OK Hwys 82 and 10 near Blackbird Creek. OK Hwy 82 northwest of Tahlequah was under two feet of water.

Mayes County

Countywide	20	0445CST 0945CST			1	0	150K		Flash Flood
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Radar estimates of 4 to 8 inches of rain in Mayes County centered near Adair caused major flash flooding. The county emergency manager said in media reports that it was the worst flooding he had seen in his 30 years in that position.

Flooding forced the closing of US Hwy 69 2 miles north of Adair and OK Hwy 28 near Adair. Between 630 and 700 AM CDT, a 53-year old man drowned when his car was washed away by eight-foot deep floodwaters flowing over OK Hwy 28 west of Adair. Those floodwaters were associated with heavy flows in a branch of Pryor Creek. Numerous county roads were flooded throughout Mayes County. Pryor Creek jumped its banks near Pryor, displacing ten people from their homes. Two trailers and one home received major damage from Pryor Creek flooding. M53VE

Craig County

Countywide	20	0700CST 1145CST			0	0	100K		Flash Flood
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Most small creeks throughout Craig County overflowed their banks, resulting in serious damage to county roads, estimated at \$ 75,000-\$100,000. However, no residences were flooded.

Rogers County

Countywide	20	0700CST 1145CST			0	0			Flash Flood
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Chelsea was particularly hard-hit with flash flooding. Several downtown businesses, especially those on the north side of Main Street (6th Street), had water in their shops. OK Hwy 66 at Pryor Creek was nearly impassable when the creek overflowed onto the road. Otherwise, OK Hwy 28 was flooded 2 miles east of Foyil.

Nowata County

Countywide	20	0945CST 1045CST			0	0			Flash Flood
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County roads were flooded near Nowata.

Summary of flash flooding on June 20 1999:

A cluster of thunderstorms developed during the early morning hours of June 20 on the nose of a nocturnal low-level jet. These storms moved very little, and with deep-layer moisture in place to support heavy rainfall rates, these thunderstorms produced very heavy rainfall. Mayes County was hardest hit, with radar estimating four to seven inches of rain over a large part of the county.



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1999

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

One man was killed when his car was washed away by floodwaters flowing over a major highway.

The following are some of the heavier rain gage reports for this event: Big Cabin_5NE...7.14", Spavinaw Dam...4.60", Wann ...3.74", Claremore_2NE...3.13", Claremore_5W...2.93", Tahlequah_4N...2.81", and Pryor_5NE...2.58", and Centralia_7E...2.25".

OKZ055-060>061

Washington - Tulsa - Rogers

20	0600CST								
22	1500CST				0	0			Flood

The Caney River at Ramona rose above its flood stage of 26 feet at 800 PM CDT on June 20. The river crested at a level of 27.5 feet at 200 AM CDT on June 21 before falling back below flood stage at 200 PM CDT on June 22.

The Caney River at Collinsville rose above its flood stage of 26 feet at 700 AM CDT on June 20. The river crested at a level of 27.9 feet at 700 PM CDT on June 20 before falling back below flood stage at 400 PM CDT on June 22.

OKZ057>058

Craig - Ottawa

20	2300CST								
22	0000CST				0	0			Flood

The Neosho River at Commerce rose above its flood stage of 15 feet at 1200 AM CDT on June 21. The river crested at a level of 16.8 feet at 200 PM CDT later that day before falling back below flood stage at 100 AM CDT on June 22.

Tulsa County 3 W Tulsa

23	0500CST								
					0	1	15K		Thunderstorm Wind

A 90-foot tall, 3-foot diameter Cottonwood tree blew over, crashing through the roof of a home west of downtown Tulsa near 65th West Avenue and Charles Page Boulevard. Another 2-foot diameter tree and several large tree limbs were blown down. Nearby, a woman spending the night in a fireworks tent was hit in the head by a flying tent pole, causing a minor injury.

The strong winds associated with this storm report were an isolated occurrence along a line of thunderstorms spreading to the southeast. Most other places saw winds gusting to 40 miles an hour.

OKZ064

Creek

23	1800CST								
24	1100CST				0	0			Flood

The Polecat Creek at Sapulpa rose above its flood stage of 21 feet on the morning of June 23. The river crested at a level of 27.1 feet that evening before falling back below flood stage on the morning of June 24.

OKZ067-070

Wagoner - Muskogee

24	0000CST								
25	0600CST				0	0			Flood

The Arkansas River at Muskogee rose above its flood stage of 28 feet at 100 AM CDT on June 24. The river crested at a level of 28.3 feet at 500 AM CDT later that morning before falling back below flood stage at 700 AM CDT on June 25.

Osage County Webb City

24	0850CST								
					0	0	0.10K		Thunderstorm Wind

Large tree limbs were blown down in Webb City.

Pawnee County Pawnee

24	0900CST								
	1030CST				0	0	15K		Flash Flood

The county road which is an extension of 4th Street in Pawnee had a gaping hole after a flash flood washed the road out. The creek that caused this damage flows into Camp Creek.

Creek County Kellyville

24	1205CST								
					0	0	0.10K		Thunderstorm Wind

Large tree limbs were blown down in Kellyville.

Okfuskee County Okfuskee

24	1217CST								
					0	0			Thunderstorm Wind (G52)

Okfuskee County 5 SE Okfuskee

24	1230CST								
					0	0			Hail (0.75)

Mcintosh County Eufaula

24	1307CST								
					0	0			Hail (0.75)

Muskogee County Warner

24	1325CST								
					0	0			Thunderstorm Wind (G50)



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1999

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

Le Flore County									
1 S Heavener	24	1430CST			0	0	0.10K		Thunderstorm Wind

Tree damage was reported south of Heavener.

Le Flore County									
Hodgen	24	1438CST			0	0			Thunderstorm Wind (G52)

Sequoyah County									
Gans	24	1500CST 1600CST			0	0			Flash Flood

Several county roads were under water near Gans.

Summary of events for June 24 1999:

A line of thunderstorms formed along a southeastward-moving outflow boundary on the morning of June 24. These thunderstorms eventually moved across all of eastern Oklahoma. Many locations across eastern Oklahoma experienced wind gusts of 40 to 50 miles an hour, though a few storms along in the line pulsed up enough to briefly produce marginally severe wind and hail. This line of storms also produced locally heavy rainfall amounts with most locations receiving from 3/4" to 1 1/2" of rain.

OKZ057>058									
Craig - Ottawa									
24	2100CST				0	0			Flood
26	1500CST								

The Neosho River at Commerce rose above its flood stage of 15 feet at 1000 PM CDT on June 24. The river crested at a stage of 18.1 feet at 1000 PM CDT on June 25 before falling back below flood stage at 400 PM CDT on June 26.

Le Flore County									
Arkoma	25	1800CST			0	0			Flash Flood

Several Arkoma streets were flooded.

Ottawa County									
Wyandotte	28	0614CST			0	0			Hail (0.75)

Summary of events for June 28 1999:

A nocturnal MCS moved southeast across Kansas and Missouri early on the morning of June 28. The southwestern extent of a line of storms just clipped eastern Ottawa County, leaving a report of dime-sized hail.

OKZ064>066									
Creek - Okfuskee - Okmulgee									
29	1100CST				0	0			Flood
30	2359CST								

The Deep Fork River at Beggs rose above its flood stage of 18 feet at Noon CDT on June 29. The river continued to rise at the close of June. Refer to the July 1999 Storm Data publication for crest information.

Pittsburg County									
Mc Alester	29	1250CST			0	0	2K		Thunderstorm Wind

Two trees fell over on a property at Peaceable and Tanglewood just outside McAlester. One tree fell onto the roof of a home.

Pittsburg County									
2 S Krebs	29	1255CST			0	0	0.60K		Thunderstorm Wind

A tree and a power line were blown over in the High Hill area.

Pittsburg County									
5 S Blocker	29	1300CST			0	0			Thunderstorm Wind (G61)

Pittsburg County									
Mc Alester	29	1310CST			0	0	15K		Lightning

Lightning ignited a fire that gutted the attic of a home.

Latimer County									
Wilburton	29	1325CST			0	0	50K		Thunderstorm Wind (G61)

A small-scale microburst in Wilburton caused minor damage to 20 homes and nine businesses. Two commercial buildings sustained major damage. This includes roofs that were blown off of a laundromat on OK Hwy 2 North and the Wilburton Veterans of Foreign Wars Building. Many trees were uprooted, and many power lines were blown down by the high winds.



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1999

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

Haskell County Stigler	29	1346CST			0	0	10K		Thunderstorm Wind
Strong winds blew the window out of a downtown Stigler business. A downtown building had the tin ripped off of its roof. A tree fell over onto a mobile home, trapping its occupant. Power poles and several other small trees were blown over in Stigler.									
Haskell County Stigler	29	1400CST 1430CST			0	0			Flash Flood
There was street flooding in Stigler.									
Haskell County Keota	29	1405CST			0	0	0.20K		Thunderstorm Wind
Trees were blown down in Keota.									
Le Flore County Panama	29	1420CST			0	0	2K		Thunderstorm Wind
Power lines were blown down in Panama.									
Sequoyah County Sallisaw	29	1430CST			0	0	0.50K		Thunderstorm Wind
Winds blew over a large 70-year old pecan tree in Sallisaw.									
Sequoyah County Short	29	1440CST			0	0			Thunderstorm Wind (G57)
Latimer County Panola	29	1500CST 1530CST			0	0			Flash Flood
US Hwy 270 near Panola was flooded.									
Summary of events for June 29 1999:									
Severe thunderstorms formed in southeast Oklahoma along an east-west stationary front early on the afternoon of June 29. These storms moved from near McAlester to near Fort Smith, producing several severe wind reports and excessive rainfall.									
OKZ057>058	Craig - Ottawa								
	29	1300CST			0	0			Flood
	30	2359CST							
The Neosho River at Commerce rose above its flood stage of 15 feet at 200 PM CDT on June 29. The river crested at a level of 16.8 feet at 1100 AM CDT on June 30 before falling back below flood stage at 100 AM CDT on July 1.									
Creek County Mannford	30	0315CST			0	0			Thunderstorm Wind (G52)
Tulsa County 1 W Glenpool	30	0315CST			0	0			Thunderstorm Wind (G66)
Location: on the Tulsa/Creek County line									
Creek County Sapulpa	30	0400CST 0500CST			0	0			Flash Flood
There was street flooding in Sapulpa, and several nearby county roads were under water.									
Tulsa County West Portion to South Portion	30	0415CST 0500CST			0	0			Flash Flood
Most streets in the Meadow Valley subdivision in Sand Springs were under several feet of water when Fisher Creek overflowed its banks and then got backed up by high waters at its confluence just downstream with the Arkansas River. Two residents in the subdivision had to be evacuated by firefighters, though no homes were actually flooded.									
Several streets in the southern and western portions of the city of Tulsa experienced flooding. This includes a bridge under water at 96th and Sheridan, flooding at I-44 and 33rd West Avenue, and people were trapped in their vehicle at 88th and Lewis. Riverside Airport in Jenks received 2.74 inches of rain.									
Wagoner County Coweta	30	0425CST			0	0	0.50K		Thunderstorm Wind



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1999

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

Several trees were blown down in Coweta.

Okfuskee County
Pharoah

30	0445CST				0	0	0.10K		Thunderstorm Wind
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Several 10-inch diameter tree limbs were blown down.

Okmulgee County
Bald Hill

30	0445CST 0545CST				0	0			Flash Flood
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The area near Bixby Road and South Memorial was flooded.

Okmulgee County
Bald Hill

30	0445CST				0	0	3K		Thunderstorm Wind
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Shingles were blown off several roofs near Bald Hill.

Wagoner County
Coweta

30	0500CST 0630CST				0	0	15K		Flash Flood
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A portion of OK Hwy 51 near Coweta was closed for a time by high water. Other road closing included 121st Street at OK Hwy 51, 131st Street, and Dog Pound Road. Coweta Creek overflowed its banks, flooding South Street and the roadway leading into the Creek Hollow and Cottonwood Additions. Some water damage was reported to a home in the Cottonwood Addition and to outbuildings along Dog Pound Road.

Cherokee County
Tahlequah

30	0800CST 0900CST				0	0			Flash Flood
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Several low-water bridges near Tahlequah were closed for a short time by high water.

Haskell County
Mc Curtain

30	0810CST 0910CST				0	0			Flash Flood
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There was street flooding in McCurtain.

Le Flore County
**Spiro to
Heavener**

30	0820CST 0920CST				0	0			Flash Flood
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In Spiro, the railroad underpass on OK Hwy 9 was flooded.

Just north of Poteau, a section of US Hwy 59-271 was nearly impassable due to heavy rains. Poteau received about 2 1/2 inches of rain on top of already-saturated grounds.

In Heavener, there was lots of street flooding. On the east side of Heavener, water from the nearby Oil Branch flooded yards and streets.

Adair County
7 E Stilwell

30	0930CST 1100CST				1	0	5K		Flash Flood
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A 22-year old man drowned while attempting to cross a marked low-water bridge over Evansville Creek on OK Hwy 100 east of Stilwell. His compact pickup truck was swept off the road into the fast-moving stream, which had been flooded by up to 4 inches of rain earlier that morning upstream in Crawford and Washington Counties in Arkansas. The man's passenger managed to swim to safety, but the driver was carried downstream where his body was found several days later. M22VE

Summary of events for June 30 1999:

A line of scattered thunderstorms first developed to the west of Tulsa around 300 AM CDT on the morning of June 30. This line of storms quickly filled in to become a solid line, or a nocturnal MCS, racing southeast toward east-central Oklahoma. Along the way, these storms produced several severe wind reports and torrential rainfall.

Some of the heavier rainfall reports from the morning's rainfall include: Lyons...3.22", Jenks...2.74", Mannford...2.68", Dustin ...3.11", and Hominy...2.75". These rains came on top of an already-wet spring and a wet June in which more than half of the days during the month experienced measurable rainfall.

OKZ064

Creek

30	0600CST 2359CST				0	0			Flood
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The Polecat Creek at Sapulpa rose above its flood stage of 21 feet on the morning of June 30. The river crested at a level of 27.1 feet on the evening of June 30 before falling back below flood stage on the afternoon of July 1.



National Weather Service

Storm Data and Unusual Weather Phenomena



June 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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OKLAHOMA, Eastern

OKZ076

Le Flore

**30 1500CST
 2359CST**

0 0

Flood

The Poteau River at Poteau rose above its flood stage of 24 feet at 400 PM CDT on June 30. The river crested at a level of 25.6 feet at 900 PM CDT on June 30 before falling back below flood stage at 600 AM CDT on July 1.

The Poteau River at Panama rose above its flood stage of 29 feet at 1100 AM CDT on June 30. The river continued to rise at the close of June. Refer to the July 1999 Storm Data publication for crest information.

OKZ069

Adair

**30 1800CST
 2359CST**

0 0

Flood

The Illionois River at Watts rose above its flood stage of 13 feet at 700 PM CDT on June 30. The river continued to rise at the close of June. For crest information, refer to the July 1999 Storm Data.