



National Weather Service

Storm Data and Unusual Weather Phenomena



November 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

Benton County Gentry	09	2351CST			0	0	1K		Thunderstorm Wind
Numerous trees were blown down.									
Benton County Gravette	09	2351CST			0	0	1K		Thunderstorm Wind
Numerous trees were blown down.									
Benton County Decatur	10	0004CST			0	0	2K		Thunderstorm Wind
Power lines were blown down.									
Benton County Hiwasse	10	0015CST			0	0	0.50K		Thunderstorm Wind
Several trees were blown down.									
Washington County Lincoln	10	0020CST			0	0	0.10K		Thunderstorm Wind
Several large tree limbs were blown down.									
Benton County Bentonville	10	0025CST			0	0	0.20K		Thunderstorm Wind
Two trees were blown across city streets.									
Benton County Cave Spgs	10	0025CST			0	0	0.50K		Thunderstorm Wind
Several trees were blown down.									
Washington County 2 N Springdale	10	0030CST			0	0	1K		Thunderstorm Wind
A tree, reportedly 2 feet in diameter, fell onto a power line near US Hwy 71B and Cooper Drive, causing a power outage for 1,900 customers as far north as Lowell.									
Crawford County Van Buren	10	0035CST			0	0	0.10K		Thunderstorm Wind
Several large tree limbs were blown onto a road in Van Buren. The branches even caused a traffic accident. (Damage value from accident not included in this entry since the winds were the indirect cause of the accident.)									
Sebastian County 4 S Ft Smith to Ft Smith Muni Arprt	10	0036CST 0043CST	4	200	0	0	750K		Tornado (F1)
An F1 tornado touched down in extreme eastern Oklahoma between Arkoma and Pocola and then moved northeast into western Arkansas, moving across the southern part of Fort Smith and finally lifting at the Fort Smith Regional Airport (FSM). Along the way, many homes and businesses sustained damage ranging from minor to major. This includes several homes in the Random Acres subdivision near the Oklahoma border where shingles were blown off many roofs. Trees and power lines were blown down throughout the tornado's path.									
Some of the tornado's worst damage occurred at the Fort Smith Regional Airport, where eight private and corporate airplanes were damaged, including three single-engine planes that were flipped. Four of the planes that received the most damage were outside hangars. The storm also damaged nine hangars, including three corporate and six general aviation facilities. The weather observer at the airport officially recorded a tornado, and the ASOS at the airport measured a peak wind gust of 57 kts (66 mph) at 1244 AM.									
Otherwise, seven thousand residences in the south part of Fort Smith lost power in the storm. Sutherland Central Distribution Center on US Hwy 71 lost several metal buildings and had some roof damage. Reeder Simco Truck Center on south Zero Street had its showroom glass blown in, and a tractor-trailer was turned over. A photo in the Southwest-Times Record daily newspaper showed cleanup efforts from a large tree that had fallen into a home's driveway in the 6800 block of S. Seventh street.									
Carroll County 6 N Eureka Spgs	10	0045CST			0	0	0.50K		Thunderstorm Wind
Numerous large tree limbs blown down at Holiday Island.									



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ARKANSAS, Northwest

Washington County
3 S Fayetteville

10 0045CST **0 0 1K** **Thunderstorm Wind**

Numerous trees were blown down from 2-5 miles south of Fayetteville.

Crawford County
Alma

10 0050CST **0 0 0.10K** **Thunderstorm Wind**

Several 2-inch diameter tree limbs blown down.

Franklin County
3 N Charleston

10 0100CST **0 0 15K** **Thunderstorm Wind**

A barn was destroyed north of Charleston. Numerous trees and power lines were blown down throughout Franklin County.

Franklin County
Charleston

10 0100CST **0 0 0.30K** **Thunderstorm Wind**

Several trees in the city of Charleston were uprooted.

Franklin County
Vesta

10 0100CST **0 0 18K** **Thunderstorm Wind**

There were quite a few reports of damage from the greater Vesta area. Specific reports follow:

- Just northwest of Vesta, two windows were blown out of a house. A shed was blown over. A large oak tree was uprooted, and several other trees were heavily damaged. A patio table was blown away, never to be seen again.
- On Mill Creek Mountain, a home was damaged when a tree was uprooted and blown on top of a house. Numerous other large trees were blown over, including a walnut tree with an eleven-foot circumference. A shed was destroyed. Sheet iron was scattered about.
- On Hickory Ridge (located one mile south of Vesta), a window was blown out of a residence, and two sheds were destroyed on Hickory Ridge. Numerous trees were blown over, one of which fell onto a truck, breaking the windshield and messing up the hood.

Franklin County
6 WSW Ozark

10 0110CST 0.5 50 0 0 25K Tornado (F0)

A brief F0 tornado touched down just north of the Arkansas River. Two houses received minor damage, and numerous trees and power lines were blown down.

Madison County
5 W Huntsville

10 0113CST **0 0 0.20K** **Thunderstorm Wind**

A large tree was blown down across a road.

Franklin County
2 E Altus

10 0125CST **0 0 1K** **Thunderstorm Wind**

Trees were blown onto a power line between Ozark and Coal Hill, causing a power outage to a large part of western Johnson County.

Carroll County
Oak Grove

10 0130CST **0 0 0.20K** **Thunderstorm Wind**

Two large trees were blown down.

Summary of events for November 9-10 1998:

A solid line of severe thunderstorms raced across northwest and west central Arkansas on the evening and early morning of Nov 9-10. This line of storms was in association with the cold front trailing from a powerful "Colorado low" moving across the central and northern plains. This line of storms produced strong to severe wind gusts along its entire length. However, an isolated supercell thunderstorm developed within the line of storms southwest of Fort Smith and produced an F1 tornado as it travelled across the southern part of Fort Smith. The same storm produced an F0 tornado further east in Franklin County. Fortunately, no deaths or injuries were associated with the severe weather.

ARZ019-029

Crawford - Sebastian

11 0700CST 0 0 Flood
16 0800CST

The Arkansas River at Van Buren rose above its flood stage of 22 feet on November 11, cresting at 22.1 feet at 1201 AM on November 12. After falling below flood stage at 5 AM on the 12th, the river again rose above flood stage at 6 PM on the 14th, cresting at 22.3 feet at 3 PM on November 15.

Crawford County
Uniontown

30 0015CST **0 0 5K** **Thunderstorm Wind**



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ARKANSAS, Northwest

Barns were damaged by thunderstorm winds.

Sebastian County									
Ft Smith	30	0018CST			0	0			Hail (0.75)
Sebastian County									
Ft Smith	30	0018CST			0	0			Thunderstorm Wind (G52)
Crawford County									
Van Buren	30	0030CST			0	0	2K		Thunderstorm Wind
									Sheriffs office reported large tree limbs blown down countywide.
Washington County									
5 E Springdale	30	0040CST			0	0	5K		Thunderstorm Wind

A large tree was blown onto the roof of a home on Rustic Drive near the small community of Little Flock.

Summary of events for November 30 1998:

An approaching upper level disturbance/cold pool and a weak pacific front caused a solid line of thunderstorms to move across northwest Arkansas early on the morning of November 30. The storms were non-severe as they moved across the northwest corner of Arkansas, mainly producing winds gusts of 35 to 45 miles an hour. However, the line of storms bowed out over Crawford and Sebastian Counties, causing marginally severe wind gusts and even dime-sized hail in Fort Smith.

OKLAHOMA, Eastern

OKZ054-059									
		Osage - Pawnee							
	02	1300CST			0	0			Flood
	04	2300CST							
									Record-setting rains in Kansas caused the Arkansas River at Ralston to rise above its flood stage of 16 feet on November 2, cresting at 18.5 feet on November 3 at 11 AM.
OKZ058									
		Ottawa							
	02	1400CST			0	0			Flood
	15	2000CST							
									Record-setting rains further north in Kansas caused the Neosho River at Commerce to rise above its flood stage of 15 feet on November 2, cresting at 19.8 feet on November 9 at 3 PM.
Pawnee County									
Jennings	09	2017CST			0	0			Thunderstorm Wind (G52)
Osage County									
10 W Burbank	09	2020CST			0	0			Thunderstorm Wind (G52)
Osage County									
8 ESE Foraker	09	2110CST			0	0			Thunderstorm Wind (G52)
Osage County									
6 W Hominy	09	2120CST			0	0			Thunderstorm Wind (G52)
Pawnee County									
6 E Pawnee	09	2120CST			0	0			Thunderstorm Wind (G61)
Pawnee County									
4 N Hallett	09	2125CST			0	0			Thunderstorm Wind (G66)
Osage County									
6 W Hominy	09	2130CST			0	0			Thunderstorm Wind (G66)
Pawnee County									
4 W Jennings	09	2137CST			0	0			Thunderstorm Wind (G70)
Pawnee County									
Hallett	09	2139CST			0	0			Hail (0.88)
Pawnee County									
Hallett	09	2139CST			0	0			Thunderstorm Wind (G57)



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OKLAHOMA, Eastern

Creek County Milfay	09	2152CST			0	0			Thunderstorm Wind (G61)
Creek County 2 E Mannford	09	2158CST			0	0			Thunderstorm Wind (G66)
Creek County Bristow	09	2207CST			0	0			Thunderstorm Wind (G61)
Okfuskee County Welty	09	2215CST			0	0			Thunderstorm Wind (G57)
Okfuskee County Okemah	09	2217CST			0	0	0.10K		Thunderstorm Wind
A tree was blown into the intersection of South Second and Birch Streets, blocking traffic.									
Osage County 2 NW Tulsa	09	2222CST			0	0			Thunderstorm Wind (G57)
Tulsa County Tulsa	09	2222CST			0	0			Thunderstorm Wind (G57)
Location: one mile north of downtown Tulsa									
Tulsa County Tulsa	09	2224CST 2230CST			0	0			Thunderstorm Wind (G61)
An off-duty NWS employee reported a 65 mph gust near 81st Street South and Yale in Tulsa at 1024 PM. An amateur radio operator reported a 70 mph gust near 61st Street South and Memorial Drive in Tulsa at 1030 PM.									
Okfuskee County Weleetka	09	2230CST			0	0	0.10K		Thunderstorm Wind
Several large tree limbs were blown down.									
Mcintosh County 3 N Raiford	09	2240CST			0	0	2K		Thunderstorm Wind
Numerous trees were blown down across the county road between Lenna and Raiford. Numerous trees were blown down in other places countywide.									
Nowata County Nowata	09	2240CST			0	0			Thunderstorm Wind (G52)
Okmulgee County Henryetta	09	2250CST			0	0			Thunderstorm Wind (G52)
Rogers County Claremore	09	2250CST			0	0	1.5K		Thunderstorm Wind
Several trees were blown down, and an awning was blown off of a business. A newspaper clipping showed a picture of a large oak tree that barely missed falling onto a home on Crestview Drive east of Claremore.									
Rogers County 6 NE Bushyhead	09	2255CST			0	0			Thunderstorm Wind (G52)
Location: Chelsea									
Craig County 4 SW Vinita	09	2300CST			0	0			Thunderstorm Wind (G52)
Location: Big Cabin toll gate on I-44									
Mayes County Pryor	09	2300CST			0	0	0.50K		Thunderstorm Wind
Numerous tree limbs were blown down in Pryor.									
Pittsburg County 2 S Savanna	09	2300CST			0	0	28K		Thunderstorm Wind



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OKLAHOMA, Eastern

Two barns were destroyed. Turbines and shingles were ripped from a roof, and ten trees were uprooted. A travel trailer was overturned, and a sheet of plywood was ripped from some decking and blown away. Four power poles were snapped near Savanna, knocking out power to Savanna area customers of the Kiamichi Electric Cooperative.

Pittsburg County									
2 WSW Mc Alester	09	2308CST			0	0			Thunderstorm Wind (G52)

Pittsburg County									
Mc Alester	09	2310CST			0	0	31K		Thunderstorm Wind

Damage was reported in the High Hill area near McAlester. Specifically, several barns were damaged, roofs were damaged, a piece of tin was driven 4 inches into a tree, and a backyard trampoline was completely blown away and could not be found.

Muskogee County									
Muskogee	09	2313CST 2318CST			1	0	5K		Thunderstorm Wind (G52)

A 42-year old woman was killed around 1218 AM CDT when several large tree branches fell through the windshield of a pickup truck in which she was a passenger, stabbing the woman through the neck. This unfortunate incident occurred at the corner of 23rd and Arline Streets.

Several minutes earlier at 1213 AM CDT, emergency managers reported wind gusts to 60 mph in Muskogee. F42VE

Pittsburg County									
1 N Bache	09	2315CST			0	0	0.20K		Thunderstorm Wind

Trees were blown down.

Wagoner County									
Wagoner	09	2315CST 2320CST			0	0	23K		Thunderstorm Wind (G57)

The Morgan's Corner area, east of the city of Wagoner, suffered damage from thunderstorm winds. A boat storage facility had 150 feet of its metal roof torn off, and other remaining metal panels were loosened by the wind. One pontoon boat was flipped over, and a storage building was destroyed. The roof from one of the boat storage buildings landed on top of Morgan's convenience store, damaging the roof and snapping two electric poles. A sheriff's deputy just south of Wagoner reported a 65 mph gust at 1115 PM.

Delaware County									
Bernice	09	2320CST			0	0	1.6K		Thunderstorm Wind (G52)

A large tree was blown down by 60 mph winds. Power poles were also blown down west of Bernice.

Pittsburg County									
Hartshorne	09	2323CST			0	0	0.50K		Thunderstorm Wind

Numerous tree limbs were blown down.

Delaware County									
9 W Jay	09	2325CST			0	0			Hail (0.75)

Muskogee County									
2 E Muskogee	09	2325CST			0	0			Thunderstorm Wind (G52)

Latimer County									
Gowen	09	2326CST			0	0	1K		Thunderstorm Wind

Two power poles were blown over in western Latimer County, knocking out power to Kiamichi Electric Cooperative customers in Gowen, Higgins, and the outskirts of Wilburton.

Cherokee County									
Peggs	09	2330CST			0	0	2K		Thunderstorm Wind

Trees and power lines were blown over.

Cherokee County									
Tahlequah	09	2330CST			0	0	1K		Thunderstorm Wind

Numerous trees were blown down. Other scattered trees were blown down countywide.

Latimer County									
Higgins	09	2330CST			0	0			Funnel Cloud

Latimer County									
Wilburton	09	2330CST			0	0	30K		Thunderstorm Wind



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OKLAHOMA, Eastern

A barn was nearly destroyed and two mobile homes were damaged just south of Wilburton. Power poles were blown down in the vicinity of US Hwy 270 and Arkla Road. Downed limbs and trees had to be removed from streets in Wilburton. The Wilburton Pizza Hut caught fire 30 minutes following the storm, though it is unknown if the fire is related to the storm.

Latimer County Wilburton Arpt

09	2330CST				0	0	40K		Thunderstorm Wind
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A hangar at the Wilburton Aiport had its sheet metal roof blown away. The winds moved the trailer of the airport groundskeeper off of its foundation. Winds also destroyed two ultra-light airplanes that were tied down, and two single-engine aircraft were also seriously damaged. A concession trailer was blown over. Just east of the airport near 3R and Ranch Road, another mobile home was moved from its foundation.

Delaware County Zena

09	2335CST				0	0			Thunderstorm Wind (G52)
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Pushmataha County 8 S Clayton

09	2335CST				0	0	0.50K		Thunderstorm Wind
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Several large trees were blown down, and limbs were blown out of others.

Cherokee County 5 N Tahlequah

09	2336CST				0	0	1K		Thunderstorm Wind
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Numerous trees were blown down.

Delaware County 2 N Grove

09	2336CST				0	0			Hail (0.75)
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Delaware County 3 NNE Grove

09	2336CST				0	0	0.10K		Thunderstorm Wind
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A large tree was blown over.

Delaware County 2 N Grove

09	2336CST				0	0			Thunderstorm Wind (G52)
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Pushmataha County Antlers

09	2340CST				0	0	4K		Thunderstorm Wind (G70)
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Part of a storage shed was blown down, and a tractor had its muffler torn off. Several pine trees and a hickory tree were blown down.

Haskell County Stigler

09	2345CST				0	0	2K		Thunderstorm Wind
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Numerous trees were blown down in Stigler and countywide.

Cherokee County Qualls

09	2350CST				0	0	0.50K		Thunderstorm Wind
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Several trees were blown down.

Latimer County Red Oak

09	2352CST				0	0	1K		Thunderstorm Wind
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Numerous trees and limbs were blown down in Red Oak.

Latimer County 4 NE Red Oak

09	2355CST		0.5	50	0	0	11K		Tornado (F0)
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An F0 tornado destroyed a barn, blew shingles off roofs, and downed numerous trees/power poles near Boggy.

Haskell County Tamaha

09	2358CST				0	0	2K		Thunderstorm Wind
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Power poles were blown down.

Haskell County Mc Curtain

10	0000CST				0	0	1K		Thunderstorm Wind
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Numerous trees were blown down.

Sequoyah County Sallisaw

10	0000CST				0	0	0.10K		Thunderstorm Wind
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OKLAHOMA, Eastern

A large tree was blown down across a road.

Choctaw County Hugo	10	0010CST			0	0	2K		Thunderstorm Wind
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Several power lines were blown down.

Le Flore County Arkoma	10	0010CST			0	0	10K		Thunderstorm Wind
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Shingles were blown off roofs.

Le Flore County Bokoshe	10	0010CST			0	0	0.50K		Thunderstorm Wind
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Several large trees were blown over.

Pushmataha County Nashoba	10	0010CST			0	0	0.10K		Thunderstorm Wind
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Several large tree limbs were blown down.

Choctaw County 3 E Hugo	10	0015CST			0	0	3K		Thunderstorm Wind
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A large sign was blown down; large tree limbs were blown down; telephone lines were blown down.

Le Flore County Spiro	10	0015CST			0	0	5K		Thunderstorm Wind
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A wood-frame building was destroyed on S. Cherry Street. Tree limbs were also scattered through east Spiro.

Le Flore County Panama	10	0020CST			0	0	15K		Thunderstorm Wind
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The roof was blown off of a home near the power plant. In town, fences were blown over and marquee signs were pushed into the streets. At least 15 power poles were blown down throughout the Kiamichi Electric Cooperative's service area.

Le Flore County Poteau	10	0020CST			0	0	1K		Thunderstorm Wind
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Trees and limbs were blown down in Poteau and throughout LeFlore County.

Le Flore County 2 NE Pocola to 3 NE Pocola	10	0035CST 0036CST	1	200	0	0	5K		Tornado (F1)
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A tornado touched down about halfway between Pocola and Arkoma, moving to the northeast across the Arkansas state line. This tornado continued through the Fort Smith area, producing F1 damage and a 5-mile path length before finally lifting at the Fort Smith Regional Airport. Only one mile of the tornado's path was in Oklahoma. The tornado was 200 yards wide at its widest point in Arkansas. The tornado caused quite a bit of damage in the Fort Smith area but caused relatively little damage in Oklahoma.

For more information on this tornado, see the separate entry for it in the northwest Arkansas Storm Data.

Sequoyah County 1 W Short	10	0055CST			0	0	0.50K		Thunderstorm Wind (G52)
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Tin was blown off the roof of a barn by a 60 mph gust.

Summary of events for November 9-10 1998:

A solid north-south line of severe thunderstorms raced across all of eastern Oklahoma on the evening of November 9. This was in association with the cold front trailing from a powerful "Colorado low" moving across the central plains. This narrow line of storms produced strong to severe wind gusts along its entire length, with gusts estimated as high as 80 mph. There were also reports of hail as large as quarters.

Late in the evening, a portion of the line in southeast Oklahoma bowed out once it passed McAlester, producing more severe wind damage and funnel clouds from eastern Pittsburg County to the Arkansas state line. A tornado touched down southwest of Fort Smith between Arkoma and Pocola, travelling northeast for 5 miles across the southern part of Fort Smith.

OKZ070 Muskogee	10 16	0000CST 0800CST			0	0			Flood
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