

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Central and North Central				
BOONE (AR-Z003), MARION (AR-Z004), BAXTER (AR-Z005), FULTON (AR-Z006), SHARP (AR-Z007), NEWTON (AR-Z012), SEARCY (AR-Z013), STONE (AR-Z014), IZARD (AR-Z015), INDEPENDENCE (AR-Z016), JOHNSON (AR-Z021), POPE (AR-Z022), VAN BUREN (AR-Z023), CLEBURNE (AR-Z024), JACKSON (AR-Z025), LOGAN (AR-Z030), CONWAY (AR-Z031), FAULKNER (AR-Z032), WHITE (AR-Z033), WOODRUFF (AR-Z034), SCOTT (AR-Z037), YELL (AR-Z038), PERRY (AR-Z039), POLK (AR-Z040), MONTGOMERY (AR-Z041), GARLAND (AR-Z042), SALINE (AR-Z043), PULASKI (AR-Z044), LONOKE (AR-Z045), PRAIRIE (AR-Z046), MONROE (AR-Z047), PIKE (AR-Z052), CLARK (AR-Z053), HOT SPRING (AR-Z054), GRANT (AR-Z055), JEFFERSON (AR-Z056), ARKANSAS (AR-Z057), DALLAS (AR-Z062), CLEVELAND (AR-Z063), LINCOLN (AR-Z064), DESHA (AR-Z065), OUACHITA (AR-Z066), CALHOUN (AR-Z067), BRADLEY (AR-Z068), DREW (AR-Z069)				
	08/07/07 11:00 CST	3	0	Heat
	08/17/07 17:00 CST		0	

A heat wave began on August 6th and continued through the 16th. By the 10th, many of the reporting stations were recording high temperatures of 100 degrees or higher. On the 11th and 12th, more than half of the reporting stations reached 100 degrees or higher. From the 13th through the 15th, nearly every station climbed to at least 100. The highest temperature reported during the heat wave was 112 at Evening Shade on the 15th. The last day of widespread 100 degree temperatures was the 16th, and temperatures began to decrease somewhat on the 17th. Throughout the heat wave, most areas experienced afternoon heat indices in the 105 to 110 degree range, with a few indices above 110.

Direct Fatalities: M44OU, M52OU, M57PH

SHARP COUNTY

1.0 N CAVE CITY	08/13/07 17:08 CST		75K	Thunderstorm Wind (EG 65 kt)
CAVE CITY	08/13/07 17:11 CST		0	35.9545N, 91.54W ~ 35.94N, 91.54W

Trees and power lines were blown down, with one of the trees falling on a pickup truck. Shingles were blown off roofs. Signs at businesses were destroyed.

SHARP COUNTY

CAVE CITY	08/13/07 17:08 CST		0	Hail (1.00 in)
	08/13/07 17:11 CST		0	35.94N, 91.54W

Hail up to the size of quarters fell.

INDEPENDENCE COUNTY

CAVE CITY	08/13/07 17:11 CST		0	Hail (1.00 in)
	08/13/07 17:14 CST		0	35.93N, 91.55W

Hail up to the size of quarters fell.

INDEPENDENCE COUNTY

CAVE CITY	08/13/07 17:11 CST		0.13M	Thunderstorm Wind (EG 65 kt)
2.0 S CAVE CITY	08/13/07 17:15 CST		0	35.93N, 91.55W ~ 35.9011N, 91.55W

A shop was blown off a house, with some of the debris traveling as much as 500 yards. A storage building at a residence was blown 200 yards, ending up in a pond. Barns and outbuildings were damaged. Trampolines were blown across yards. Trees and power lines were blown down. One of the trees was quite large and hit the corner of a house as it fell.

An isolated severe thunderstorm developed during 100+ degree temperatures on the 13th. The storm produced damaging wind gusts and hail in parts of Cave City.

FULTON COUNTY

1.0 S SALEM	08/17/07 14:27 CST		0	Thunderstorm Wind (EG 50 kt)
	08/17/07 14:27 CST		0	36.3555N, 91.82W

Three trees were reported down on Arkansas Highway 9 one mile south of Salem.

FULTON COUNTY

SALEM	08/17/07 14:30 CST		0	Thunderstorm Wind (EG 50 kt)
	08/17/07 14:30 CST		0	36.37N, 91.82W

Trees and power lines were downed in the city of Salem.

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FULTON COUNTY				
1.0 SW CAMP	08/17/07 14:55 CST		0	Thunderstorm Wind (EG 50 kt)
	08/17/07 14:55 CST		0	36.4098N, 91.7427W
Trees were downed just southwest of town on Arkansas Highway 9.				
FULTON COUNTY				
CAMP	08/17/07 14:55 CST		0	Thunderstorm Wind (EG 50 kt)
	08/17/07 14:55 CST		0	36.42N, 91.73W
Trees and power lines were downed.				
High pressure began to weaken a bit on August 17th, with a cold front allowed to sag into northern Arkansas from Missouri. A few thunderstorms developed near the front.				
WHITE COUNTY				
3.0 N SEARCY	08/18/07 10:00 CST		2.50K	Lightning
	08/18/07 10:00 CST		0	35.2934N, 91.75W
Lightning struck Searcy's water treatment plant, damaging the plant's control panel.				
LONOKE COUNTY				
3.0 NW ENGLAND	08/18/07 16:45 CST		0	Thunderstorm Wind (EG 50 kt)
	08/18/07 16:45 CST		0	34.5807N, 92.0072W
Large tree limbs and a few small trees were downed.				
PULASKI COUNTY				
7.0 SSE SCOTT	08/18/07 16:45 CST		0	Thunderstorm Wind (EG 50 kt)
	08/18/07 16:45 CST		0	34.6065N, 92.0529W
Large tree limbs and a few small trees were downed.				
The remnants of Tropical Storm Erin approached Arkansas from the west on August 18th. Ahead of the system, isolated severe storms developed during the afternoon hours.				
DREW COUNTY				
1.0 NNW MONTICELLO	08/25/07 16:11 CST		0	Thunderstorm Wind (EG 50 kt)
	08/25/07 16:11 CST		0	33.6434N, 91.8067W
A tree was blown down, knocking down power lines.				
DREW COUNTY				
3.0 E MONTICELLO	08/25/07 16:15 CST		0	Thunderstorm Wind (EG 50 kt)
	08/25/07 16:15 CST		0	33.63N, 91.7479W
A tree was blown down, knocking down power lines.				
An outflow boundary, left behind by storms in northern Arkansas on the morning of the 25th, collided with hot, humid air in southeast Arkansas during the afternoon. The result was isolated severe storms in the southeastern corner of the state during the late afternoon.				
DALLAS COUNTY				
4.0 E WILLOW	08/28/07 14:30 CST		0	Thunderstorm Wind (EG 50 kt)
	08/28/07 14:30 CST		0	34.13N, 92.6801W
Three trees were reported down near Arkansas Highway 46.				
HOT SPRING COUNTY				
10.0 SW MALVERN	08/28/07 14:37 CST		0	Thunderstorm Wind (EG 50 kt)
	08/28/07 14:37 CST		0	34.2678N, 92.9238W
One tree was reported down on U.S. Highway 67.				

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HOT SPRING COUNTY				
6.0 SW DONALDSON	08/28/07 14:52 CST		0	Thunderstorm Wind (EG 50 kt)
	08/28/07 14:52 CST		0	34.1687N, 92.9942W

One tree was reported down.

The front that pushed through Arkansas on August 25th headed back to the north on the 28th ahead of a new front in the Plains. Moisture increased over southern sections of the state, with scattered thunderstorms building south of Little Rock during the heat of the afternoon.

JEFFERSON COUNTY				
SULPHUR SPGS	08/30/07 06:45 CST		0	Flash Flood (due to Heavy Rain)
	08/30/07 06:45 CST		0	34.18N, 92.13W

There were six inches of water over Sulphur Springs Road. Many yards were flooded in the Sulphur Springs community.

CONWAY COUNTY				
JERUSALEM	08/30/07 17:10 CST		2K	Lightning
	08/30/07 17:10 CST		0	35.4N, 92.82W

Lightning struck at a gas well, knocking over a tank and setting it on fire.

Scattered thunderstorms developed on the 30th, ahead of an advancing cold front.