

## Storm Data and Unusual Weather Phenomena - February 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### ARKANSAS, Central and North Central

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**CALHOUN COUNTY --- 6.4 WSW ARTESIAN [33.36, -92.57], 2.9 WSW ARTESIAN [33.38, -92.51], 9.0 SSE ARTESIAN [33.28, -92.41], 10.5 S ARTESIAN [33.25, -92.49]**

02/01/21 00:00 CST	0	Flood (due to Heavy Rain)
02/03/21 11:07 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the Ouachita River at the Thatcher Lock and Dam from January through February 3, 2021.

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**LAWRENCE COUNTY --- 0.9 NNE BLACK ROCK [36.11, -91.09], 1.9 N PORTIA [36.11, -91.07], 1.3 SSE POWHATAN [36.06, -91.11], 1.2 SW POWHATAN [36.07, -91.14]**

02/01/21 00:00 CST	0	Flood (due to Heavy Rain)
02/08/21 06:45 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the Black River at Black Rock from January through February 8, 2021.

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**WOODRUFF COUNTY --- 0.9 W RIVERSIDE [35.28, -91.25], 0.1 NNE RIVERSIDE [35.28, -91.23], 0.1 SW PATTERSON [35.25, -91.23], 0.5 W CAVELL [35.25, -91.26]**

02/01/21 00:00 CST	0	Flood (due to Heavy Rain)
02/09/21 09:30 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the Cache River at Patterson from January through February 9, 2021.

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**WOODRUFF COUNTY --- 3.0 WNW AUGUSTA [35.29, -91.42], 1.7 NNE AUGUSTA [35.30, -91.36], 1.0 SSW NEW AUGUSTA [35.26, -91.36], 2.9 WSW RUFFWOOD [35.26, -91.42]**

02/01/21 00:00 CST	0	Flood (due to Heavy Rain)
02/15/21 07:37 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the White River at Augusta from January through February 15, 2021.

**Heavy rain brought flooding to the Ouachita, Black, White, and Cache Rivers in early February 2021.**

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**(AR-Z003) BOONE, (AR-Z005) BAXTER, (AR-Z007) SHARP, (AR-Z013) SEARCY, (AR-Z014) STONE, (AR-Z015) IZARD, (AR-Z017) LAWRENCE, (AR-Z023) VAN BUREN, (AR-Z032) FAULKNER, (AR-Z039) PERRY, (AR-Z040) POLK, (AR-Z042) GARLAND, (AR-Z044) PULASKI, (AR-Z045) LONOKE, (AR-Z064) LINCOLN**

02/10/21 11:39 CST	0	Winter Weather
02/11/21 15:55 CST	0	

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**(AR-Z056) JEFFERSON, (AR-Z069) DREW**

02/11/21 03:20 CST	0	Ice Storm
02/11/21 16:55 CST	0	

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**(AR-Z032) FAULKNER, (AR-Z044) PULASKI, (AR-Z046) PRAIRIE**

02/11/21 08:21 CST	0	Sleet
02/11/21 10:40 CST	0	

The atmosphere continued to cool on the 10th, especially in the lowest 2,000 to 3,000 feet. Above the subfreezing layer, warmth and moisture increased as another storm system tracked along the Gulf Coast after dark and early on the 11th.

At least a half inch of sleet piled up southeast of Conway (Faulkner County), at Des Arc (Prairie County), the Little Rock Air Force Base (Pulaski County), Sherwood (Pulaski County), and near Vilonia (Faulkner County). Accruals of ice (due to freezing rain) were at least a quarter inch at Pine Bluff (Jefferson County). There was an inch of snow southeast of Smithville (Lawrence County).

Roads became hazardous from about Little Rock (Pulaski County) eastward. A semi truck jackknifed along Interstate 30 near Otter Creek (Pulaski County) during the morning of the 11th, and partially blocked the highway. There were some power outages, but nothing outrageous (less than 10,000 households).

This situation could have been much worse, with a lot more freezing rain and buildup of ice. The presence of sleet and some snow kept freezing rain to a minimum, and spared trees and power lines of added weight (and damage).

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(AR-C029) CONWAY, (AR-Z003) BOONE, (AR-Z004) MARION, (AR-Z005) BAXTER, (AR-Z006) FULTON, (AR-Z007) SHARP, (AR-Z008) RANDOLPH, (AR-Z012) NEWTON, (AR-Z013) SEARCY, (AR-Z014) STONE, (AR-Z015) IZARD, (AR-Z016) INDEPENDENCE, (AR-Z017) LAWRENCE, (AR-Z021) JOHNSON, (AR-Z022) POPE, (AR-Z023) VAN BUREN, (AR-Z024) CLEBURNE, (AR-Z025) JACKSON, (AR-Z030) LOGAN, (AR-Z032) FAULKNER, (AR-Z033) WHITE, (AR-Z034) WOODRUFF, (AR-Z037) SCOTT, (AR-Z038) YELL, (AR-Z039) PERRY, (AR-Z040) POLK, (AR-Z041) MONTGOMERY, (AR-Z042) GARLAND, (AR-Z043) SALINE, (AR-Z044) PULASKI, (AR-Z045) LONOKE, (AR-Z046) PRAIRIE, (AR-Z047) MONROE, (AR-Z052) PIKE, (AR-Z053) CLARK, (AR-Z054) HOT SPRING, (AR-Z055) GRANT, (AR-Z056) JEFFERSON, (AR-Z057) ARKANSAS, (AR-Z062) DALLAS, (AR-Z063) CLEVELAND, (AR-Z064) LINCOLN, (AR-Z065) DESHA, (AR-Z066) OUACHITA, (AR-Z067) CALHOUN, (AR-Z068) BRADLEY, (AR-Z069) DREW	02/14/21 07:55 CST		0	Heavy Snow
	02/16/21 17:55 CST		0	

### CONWAY COUNTY

02/14/21 18:33 CST	0	Heavy Snow
02/16/21 05:00 CST	0	Source: CoCoRaHS

A CoCoRaHS observer measured 10.0 inches of snow at 35.10N, -92.89W.

Prior to the arrival of system number one, Winter Storm Warnings were in effect for the whole state on the 14th. Even more alarming/impressive was the fact that similar warnings were posted in Texas to the Rio Grande River! This very rare situation (wintry precipitation and cold) put stress on the power grid in the Lone Star State, knocking out electricity to more than four million homes.

Snow really got going locally during the wee hours of the 15th, and was heaviest from southwest into central and northeast Arkansas. This was a fluffy/powdery snow, and accumulated quickly (more than ten inches at some locales). Close to eleven inches of snow was measured at Greers Ferry (Cleburne County), the North Little Rock Airport (Pulaski County), Perryville (Perry County), and near Vilonia (Faulkner County). Eight to ten inch totals were reported at Cabot (Lonoke County), Daisy (Pike County), Fairfield Bay (Van Buren County), Greenbrier (Faulkner County), Hot Springs (Garland County), Little Rock and Maumelle (both in Pulaski County), Mountain Home (Baxter County), south of Mount Ida (Montgomery County), Paron (Saline County), and Pearcy (Garland County).

Little Rock (Pulaski County) had an event total of 8.4 inches. This ended a more than three year snow drought, with the last inch of snow on January 15, 2018.

It was even colder on the 15th. High temperatures were mostly in the single digits and teens. It was 4 degrees at Harrison (Boone County), and 6 degrees at Mountain Home (Baxter County). At noon CST, given a north to northwest wind at 10 to 15 mph (and higher gusts), wind chill index readings ranged from zero to twenty below zero in northern and central sections, and a few degrees above zero in the south. While snow tapered off in the afternoon (there were leftover flurries), clouds hung around the bulk of the day.

There was clearing after dark, especially in the northwest. With snow cover, the mercury plummeted. The 16th started with well below zero readings in the northwest. It was -20 degrees at Fayetteville (Washington County)! Going back through records (using information from the experimental station on the north side of town), it was comparably cold on the morning of February 10, 2011. Otherwise, it had not been this much below zero since 1930. At Highfill (Benton County), it was -13 degrees, with -9 degrees at Harrison (Boone County) and Russellville (Pope County), and -8 degrees at De Queen (Sevier County) and Fort Smith (Sebastian County). Little Rock (Pulaski County) had -1 degree, which was the lowest reading since December 23, 1989.

(AR-Z003) BOONE, (AR-Z004) MARION, (AR-Z005) BAXTER, (AR-Z006) FULTON, (AR-Z007) SHARP, (AR-Z008) RANDOLPH, (AR-Z012) NEWTON, (AR-Z013) SEARCY, (AR-Z014) STONE, (AR-Z015) IZARD, (AR-Z016) INDEPENDENCE, (AR-Z017) LAWRENCE, (AR-Z021) JOHNSON, (AR-Z022) POPE, (AR-Z023) VAN BUREN, (AR-Z024) CLEBURNE, (AR-Z025) JACKSON, (AR-Z030) LOGAN, (AR-Z031) CONWAY, (AR-Z032) FAULKNER, (AR-Z033) WHITE, (AR-Z034) WOODRUFF, (AR-Z037) SCOTT, (AR-Z038) YELL, (AR-Z039) PERRY, (AR-Z040) POLK, (AR-Z041) MONTGOMERY, (AR-Z042) GARLAND, (AR-Z043) SALINE, (AR-Z044) PULASKI, (AR-Z045) LONOKE, (AR-Z046) PRAIRIE, (AR-Z047) MONROE, (AR-Z052) PIKE, (AR-Z053) CLARK, (AR-Z054) HOT SPRING, (AR-Z055) GRANT, (AR-Z056) JEFFERSON, (AR-Z057) ARKANSAS, (AR-Z062) DALLAS, (AR-Z063) CLEVELAND, (AR-Z064) LINCOLN, (AR-Z065) DESHA, (AR-Z066) OUACHITA, (AR-Z067) CALHOUN, (AR-Z068) BRADLEY, (AR-Z069) DREW	02/17/21 01:48 CST		0	Heavy Snow
	02/19/21 01:04 CST		0	

Before you blinked, along came system number two. Snow spread across the north/west from the late evening of the 16th into the predawn hours of the 17th. For the remainder of the 17th, central/southern Arkansas got in on the action, and it went nuts from Little Rock (Pulaski County) southward.

Incredibly, about fifteen inches of snow was unleashed near Sheridan (Grant County), with thirteen inches at Malvern (Hot Spring County) and Sulphur Springs (Jefferson County), and about a foot at Gurdon (Clark County), Hope (Hempstead County), and Prescott (Nevada County). Through social media, quite a few pictures were posted of tape measures and rulers penetrating through at least twenty inches of snow (the result of two storms) in yards across the south.

At 230 pm CST...This is not good. Interstate 40 (westbound) is backed up at Exit 202/Biscoe (Prairie Co), and vehicles are not moving at all. This is according to a @myARDOT traffic camera.#arwx pic.twitter.com/L2dJKvQlkd  
— NWS Little Rock (@NWSLittleRock) February 17, 2021

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There was way too much snow along Interstate 40 near Biscoe (Prairie County). Multiple accidents led to a line of traffic miles long in the westbound lanes that sat for sixteen hours. People were forced to spend the night on the road.

This time around, Little Rock (Pulaski County) was buried with 11.8 inches of snow. At least forty flights into the airport were cancelled on the 17th, and the facility closed during the evening.

Historically, the 17th was the second snowiest day on record at Little Rock (Pulaski County) going back to the late 1800s (in the top spot was 12.0 inches on March 6, 1875). The February tally of 20.3 inches was more than any other month (topping 20.0 inches in January, 1918), and made 2020 the third snowiest year (a foot less than the 32.6 inch record in 1960). The snow depth on the morning of the 18th was 15 inches, which was tied for first place in the record book (with January 21, 1918).

There was enough water to worry about the weight of the snow stressing the roofs of some structures. On the 18th, part of the roof of a volunteer fire department caved in just northeast of Rison (Cleveland County). At Crossett (Ashley County), a bowling alley roof collapsed, and roofs were compromised at a packaging plant and a church. Some of this was attributed to a lot of sleet. Frozen pipes are a common concern in winter, and this became a huge problem in Mayflower (Faulkner County). Supply lines burst, and the city ran out of water. As a safeguard, many folks in central Arkansas were asked to conserve water as pipes thawed out and were subject to pressure breaks. Residents in cities such as Benton (Saline County), Hot Springs (Garland County), and Pine Bluff (Jefferson County) were urged to cut down on water usage due to a critically low supply. During the evening of the 18th, accidents along Interstate 30 led to tie ups between Benton (Saline County) and Malvern (Hot Spring County).

**CALHOUN COUNTY --- 6.9 SW ARTESIAN [33.33, -92.56], 3.4 S ARTESIAN [33.35, -92.47], 9.2 SSE ARTESIAN [33.28, -92.40], 9.9 S ARTESIAN [33.26, -92.48]**

02/17/21 22:00 CST	0	Flood (due to Heavy Rain)
02/19/21 14:40 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the Ouachita River at the Thatcher Lock and Dam from 2/17 to 2/19.

**WOODRUFF COUNTY --- 3.0 WNW AUGUSTA [35.29, -91.42], 1.2 NW NEW SALEM [35.29, -91.30], 3.1 S NEW AUGUSTA [35.23, -91.35], 5.1 SW RUFFWOOD [35.21, -91.43]**

02/18/21 01:15 CST	0	Flood (due to Heavy Rain)
02/20/21 04:45 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the White River at Augusta from 2/18 to 2/20.

Heavy rain brought flooding to the Ouachita River at Thatcher Lock and Dam and the White River at Augusta in mid February 2021.

**CALHOUN COUNTY --- 6.1 SW ARTESIAN [33.34, -92.54], 3.8 S ARTESIAN [33.34, -92.46], 9.3 SSE ARTESIAN [33.28, -92.40], 9.9 S ARTESIAN [33.26, -92.48]**

02/25/21 03:30 CST	0	Flood (due to Heavy Rain)
02/28/21 23:59 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the Ouachita River at the Thatcher Lock and Dam from 2/25 through the end of the month.

**WOODRUFF COUNTY --- 1.0 W RIVERSIDE [35.28, -91.25], 0.1 NNE RIVERSIDE [35.28, -91.23], 0.1 WNW PATTERSON [35.25, -91.23], 0.6 W CAVELL [35.25, -91.26]**

02/27/21 00:00 CST	0	Flood (due to Heavy Rain)
02/28/21 23:59 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the Cache River at Patterson from 2/27 through the end of the month.

**OUACHITA COUNTY --- 1.4 N CAMDEN [33.60, -92.83], 1.6 S KENT [33.61, -92.81], 2.6 WSW LAKESIDE [33.56, -92.77], 1.3 ENE COLLENDALE [33.56, -92.81]**

02/27/21 05:45 CST	0	Flood (due to Heavy Rain)
02/28/21 23:59 CST	0	Source: River/Stream Gage

Heavy rain brought flooding to the Ouachita River at Camden from 2/27 through the end of the month.

Heavy rain brought flooding to the Ouachita and Cache Rivers in late February.

**FAULKNER COUNTY --- 1.7 W WOOSTER [35.20, -92.50]**

02/28/21 11:21 CST	0	Hail (0.88 in)
02/28/21 11:21 CST	0	Source: Public

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<b>FAULKNER COUNTY --- 1.1 E GREENBRIER [35.23, -92.38]</b>				
	02/28/21 14:54 CST		0	Thunderstorm Wind (EG 52 kt)
	02/28/21 14:54 CST		0	Source: Emergency Manager
Several trees were blown down.				
<b>PULASKI COUNTY --- 0.9 SW OLMSTEAD [34.94, -92.21]</b>				
	02/28/21 15:32 CST		0	Thunderstorm Wind (EG 52 kt)
	02/28/21 15:32 CST		0	Source: Public
A large tree was blown down near Highway 89. The time was estimated and based on radar data.				
<b>CLARK COUNTY --- ARKADELPHIA [34.12, -93.07]</b>				
	02/28/21 16:20 CST		0	Funnel Cloud
	02/28/21 16:20 CST		0	Source: Social Media
A funnel cloud was seen near Arkadelphia, near Highway 67.				
<b>CLARK COUNTY --- ARKADELPHIA [34.12, -93.07], 1.1 E ARKADELPHIA [34.12, -93.05], 1.2 E ARKADELPHIA MUNI ARP [34.10, -93.05], 0.7 W ARKADELPHIA MUNI ARP [34.10, -93.08]</b>				
	02/28/21 18:45 CST		0	Flash Flood (due to Heavy Rain)
	02/28/21 21:45 CST		0	Source: Law Enforcement
Numerous roads in the county were inundated with high water.				
<b>GRANT COUNTY --- 0.9 NW SHERIDAN [34.31, -92.41], 0.9 NE SHERIDAN [34.31, -92.39], 0.5 E SHERIDAN [34.30, -92.39], 0.7 W SHERIDAN [34.30, -92.41]</b>				
	02/28/21 19:00 CST		0	Flash Flood (due to Heavy Rain)
	02/28/21 22:00 CST		0	Source: Social Media
Minor flooding was reported with water covering yards and 3 to 4 inches of water flowing over roads in Sheridan.				
<b>HOT SPRING COUNTY --- 0.7 S ROCKPORT [34.37, -92.82], 0.2 NNE MALVERN [34.37, -92.80], 0.8 SSE MALVERN [34.36, -92.80], 1.0 ENE ABCO [34.36, -92.81]</b>				
	02/28/21 19:00 CST		0	Flash Flood (due to Heavy Rain)
	02/28/21 22:00 CST		0	Source: Law Enforcement
Law enforcement reported vehicles having difficulty driving along roads, with some vehicles stuck, due to flooding in downtown Malvern, especially along Pine Bluff Street.				
<b>JEFFERSON COUNTY --- 0.7 N BREWSTER [34.21, -92.02], 2.6 WSW FAIRFIELD [34.21, -91.96], 2.5 WNW (PBF)PINE BLUFF ARPT [34.19, -91.97], 0.9 S BREWSTER [34.19, -92.02]</b>				
	02/28/21 19:18 CST		0	Flash Flood (due to Heavy Rain)
	02/28/21 22:18 CST		0	Source: Law Enforcement
Several streets were underwater in downtown Pine Bluff.				
<b>OUACHITA COUNTY --- 1.3 WSW STEPHENS MUNI ARPT [33.42, -93.07]</b>				
	02/28/21 21:15 CST		0	Heavy Rain
	02/28/21 21:15 CST		0	Source: Public
It was estimated that 3 inches of rain fell in a 2 hour period, ending around 915 PM.				
<b>Heavy rain brought flash flooding to parts of Arkansas on February the 28th. By the 28th, thermometers were in the mid to upper 70s across the central and southern counties. It was 76 degrees at Little Rock (Pulaski County) and Monticello (Drew County). It certainly felt like spring, and thunderstorms were back in the forecast.</b>				
<b>Storms were sparked by a new cold front that penetrated into northwest Arkansas by lunchtime on the 28th, and approached the Louisiana border toward evening. Along the way, downpours were widespread, and there was at least a concern for severe weather (damaging winds, large hail, and maybe a tornado or two).</b>				
<b>In the end, this was mainly a heavy rain event. Roads were flooded in Malvern (Hot Spring County), Pine Bluff (Jefferson County), and</b>				

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Sheridan (Grant County). Severe storms were few, with trees blown down at Greenbrier (Faulkner County) and Olmstead (Pulaski County), and nickel size hail just west of Wooster (Faulkner County).