

Storm Data and Unusual Weather Phenomena - July 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ARKANSAS, Central and North Central				
WOODRUFF COUNTY --- 4.6 WNW AUGUSTA [35.30, -91.45], 2.2 NE AUGUSTA [35.31, -91.35], 2.0 SSE NEW AUGUSTA [35.24, -91.34], 4.3 WSW RUFFWOOD [35.24, -91.44]				
	07/01/19 00:00 CST		0	Flood (due to Heavy Rain)
	07/02/19 17:00 CST		0	Source: River/Stream Gage
Heavy rain in June brought flooding to the White River at Augusta that continued into July.				
WOODRUFF COUNTY --- 0.8 W RIVERSIDE [35.28, -91.24], 0.2 ESE RIVERSIDE [35.28, -91.23], 0.5 N PATTERSON [35.26, -91.23], 0.8 NNE CAVELL [35.26, -91.25]				
	07/02/19 05:00 CST		0	Flood (due to Heavy Rain)
	07/04/19 18:30 CST		0	Source: River/Stream Gage
Heavy rain brought flooding to the Cache River at Patterson on July 2, 2019.				
Heavy rain brought flooding to the Cache River at Patterson on July 2, 2019.				
RANDOLPH COUNTY --- MAYNARD [36.42, -90.90]				
	07/05/19 14:08 CST		0.10M	Lightning
	07/05/19 14:08 CST		0	Source: Trained Spotter
Lightning started two house fires in Maynard according to a trained storm spotter in the area.				
ARKANSAS COUNTY --- 2.8 SSE ENGELBERG [36.29, -90.89]				
	07/05/19 14:32 CST		0	Thunderstorm Wind (EG 52 kt)
	07/05/19 14:32 CST		0	Source: Emergency Manager
Randolph County Emergency Manager reported power lines down and blocking a portion of Highway 304, about five miles out of Pocahontas.				
RANDOLPH COUNTY --- POCAHONTAS [36.26, -90.97], 1.1 NNE ENGELBERG [36.34, -90.89], 1.8 NE ATTICA [36.37, -90.98], 3.2 SE LORINE [36.26, -91.03]				
	07/05/19 14:33 CST		0	Flash Flood (due to Heavy Rain)
	07/05/19 14:33 CST		0	Source: Emergency Manager
Reports of low water areas in Pocahontas flooded as well as portions of Hwy. 115 and Happy Train in Randolph County.				
The month started with seasonal heat on the 5th, and afternoon temperatures in the upper 80s to mid 90s. High soil moisture levels contributed to elevated humidity, and this created heat index values from the mid 90s to around 105 degrees. There was some relief coming from the north. Decaying thunderstorms in Missouri sent cool outflow toward Arkansas, and this triggered new storms north of Little Rock (Pulaski County).				
Once storms materialized across the north, they were severe in some cases. Trees and/or power lines were downed at Ash Flat (Sharp County) and five miles northeast of Pocahontas (Randolph County). Flash flooding was reported along Highway 115 just north of Pocahontas (Randolph County). Lightning sparked two house fires in Maynard (Randolph County).				
Some locations in the northern half of the state received one to two inches of rain. Eight miles southwest of Hardy (Sharp County) 1.82 inches fell, 1.81 inches a few miles south of Bruno (Marion County), 1.57 inches about five miles northeast of Scranton (Logan County), and 1.55 inches at Mountain View (Stone County). These totals occurred in a twenty four hour period ending at 700 am CDT on the 6th.				
JEFFERSON COUNTY --- 0.7 N BREWSTER [34.21, -92.02], 2.2 E PINE BLUFF [34.22, -91.98], 2.0 ESE BREWSTER [34.19, -91.99], 1.4 WSW BREWSTER [34.19, -92.04]				
	07/08/19 17:26 CST		0	Flash Flood (due to Heavy Rain)
	07/08/19 20:26 CST		0	Source: Emergency Manager
Flash flooding was reported in downtown Pine Bluff and water was over many streets. Over two inches of rain fell in a short amount of time.				
JEFFERSON COUNTY --- 0.7 N BREWSTER [34.21, -92.02]				
	07/08/19 18:23 CST		0	Heavy Rain
	07/08/19 18:23 CST		0	Source: ASOS

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From 405 PM to 624 PM CST 3.42 inches of rain fell. Of this, 0.91 inches fell from 4-5 PM CST and 2.09 inches fell from 5-6 PM CST. Also, 0.85 inches fell in 16 minutes from 453 to 509 PM CST.

SCOTT COUNTY --- 0.6 W WALDRON [34.90, -94.09]

	07/10/19 14:57 CST		20K	Thunderstorm Wind (EG 61 kt)
	07/10/19 14:57 CST		0	Source: Law Enforcement

Numerous trees were blown down, and the roof was blown off of a house.

POLK COUNTY --- 0.7 N BIG FORK [34.49, -93.97]

	07/10/19 15:05 CST		0	Thunderstorm Wind (EG 61 kt)
	07/10/19 15:05 CST		0	Source: Law Enforcement

Several trees were downed.

POLK COUNTY --- 0.6 E VANDERVOORT [34.38, -94.36]

	07/10/19 15:15 CST		0	Thunderstorm Wind (EG 61 kt)
	07/10/19 15:15 CST		0	Source: Law Enforcement

Several trees were downed.

MONTGOMERY COUNTY --- MT IDA [34.55, -93.63]

	07/10/19 15:42 CST		0	Thunderstorm Wind (EG 61 kt)
	07/10/19 15:42 CST		0	Source: COOP Observer

Multiple trees were down in Mt. Ida. The time is estimated from radar.

MONTGOMERY COUNTY --- MT IDA [34.55, -93.63]

	07/10/19 15:43 CST		0	Thunderstorm Wind (EG 61 kt)
	07/10/19 15:43 CST		0	Source: Law Enforcement

Trees were down on Fairgrounds Road.

PULASKI COUNTY --- 0.9 SE LEVY [34.79, -92.26], 0.8 SSE LEVY [34.79, -92.27], 0.2 ESE LEVY [34.80, -92.27], 0.7 E LEVY [34.80, -92.26]

	07/10/19 17:34 CST		0	Flash Flood (due to Heavy Rain)
	07/10/19 20:34 CST		0	Source: Law Enforcement

Water was reported on Cherry Hill Drive and Cypress Street. Debris was floating down the road.

On the 8th, a deluge in Pine Bluff (Jefferson County) resulted in three to five inches of precipitation in parts of the city (with two inches of this in about 30 minutes). Many roads flooded, and so did a municipal building. This affected local police and fire departments.

It stayed hot during this time frame, with Heat Advisories posted by the National Weather Service. On the 9th, for example, heat indices approached 110 degrees in parts of the south/east.

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As the tropical system formed, thunderstorms came to life ahead of the aforementioned cold front. The storms made the most impact in western Arkansas, with wind damage in several places. Trees were toppled at Waldron (Scott County), Mount Ida (Montgomery County), and Big Fork (Polk County).

CLARK COUNTY --- ARKADELPHIA [34.12, -93.07], 0.8 N ARKADELPHIA [34.13, -93.07], 1.9 NE ARKADELPHIA [34.14, -93.04], 1.6 ENE ARKADELPHIA MUNI ARP [34.11, -93.04]

	07/16/19 02:56 CST		0	Flash Flood (due to Heavy Rain)
	07/16/19 05:56 CST		0	Source: River/Stream Gage

Flooding was reported in Arkadelphia with water over the roads.

PIKE COUNTY --- 1.5 SSE PINEY GROVE [33.98, -93.46], 0.9 SE PINEY GROVE [33.99, -93.46], 1.4 ESE PINEY GROVE [33.99, -93.45], 2.3 SE PINEY GROVE [33.97, -93.45]

	07/16/19 04:37 CST		0	Flash Flood (due to Heavy Rain)
	07/16/19 07:37 CST		0	Source: Storm Chaser

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Water was flowing over State Highway 29 at Buffalo Creek.				
CLARK COUNTY --- 1.5 NNW SUMMIT [33.97, -93.21], 1.7 NNW CENTER POINT [33.99, -93.19], 1.1 NNW CENTER POINT [33.99, -93.19], 1.1 W CENTER POINT [33.97, -93.20]				
	07/16/19 05:51 CST		0	Flash Flood (due to Heavy Rain)
	07/16/19 08:51 CST		0	Source: Law Enforcement

Traffic was stopped on I-30 as a result of the flooded roadway.

CLARK COUNTY --- ARKADELPHIA [34.12, -93.07], 1.4 ENE ARKADELPHIA [34.12, -93.05], 1.4 ESE ARKADELPHIA [34.11, -93.05], 0.6 S ARKADELPHIA [34.11, -93.07]				
	07/16/19 05:55 CST		0	Flash Flood (due to Heavy Rain)
	07/16/19 08:55 CST		0	Source: Public

Four feet of water was reported in Arkadelphia at Walnut St. and U.S. 67, with high water also at 7th street and U.S. 67, and many other streets.

MONTGOMERY COUNTY --- 0.9 NW HOPPER [34.36, -93.69], 1.8 NE HOPPER [34.37, -93.66], 1.6 E HOPPER [34.35, -93.65], 0.9 W HOPPER [34.35, -93.70]				
	07/16/19 06:00 CST		0	Flash Flood (due to Heavy Rain)
	07/16/19 09:00 CST		0	Source: Fire Department/Rescue

Three individuals were rescued after they drove into flood water off of Highway 240.

PIKE COUNTY --- 1.5 SSE PINEY GROVE [33.98, -93.46], 1.9 ESE PINEY GROVE [33.99, -93.44], 3.1 SE PINEY GROVE [33.96, -93.44], 2.4 ESE BOWEN [33.96, -93.46]				
	07/16/19 06:50 CST		0	Flash Flood (due to Heavy Rain)
	07/16/19 09:50 CST		0	Source: Emergency Manager

High water was over roadways.

ARKANSAS COUNTY --- 0.7 S INDIANA [34.24, -91.33], 1.6 ESE INDIANA [34.24, -91.30], 2.0 SE INDIANA [34.23, -91.30], 0.6 E INDIANA SPUR [34.23, -91.34]				
	07/16/19 08:36 CST		0	Flash Flood (due to Heavy Rain)
	07/16/19 11:36 CST		0	Source: Law Enforcement

Highway 152 south of De Witt had water over the road. Many county roads have water over them.

POLK COUNTY --- 0.9 SW WICKES [34.29, -94.34], 2.0 S WICKES [34.27, -94.32], 2.0 SSW WICKES [34.28, -94.35], 1.4 WSW WICKES [34.29, -94.35]				
	07/16/19 08:40 CST		0	Flash Flood (due to Heavy Rain)
	07/16/19 11:40 CST		0	Source: Social Media

Highway 59 near Wickes was underwater.

CLARK COUNTY --- 1.1 E ARKADELPHIA [34.12, -93.05]				
	07/16/19 14:00 CST		0	Heavy Rain
	07/16/19 14:00 CST		0	Source: Mesonet

This rainfall total was from midnight to 2 PM CST for an event total...from the Ouachita River at Arkadelphia automated rain gauge.

CLARK COUNTY --- ARKADELPHIA MUNI ARP [34.10, -93.07]				
	07/16/19 14:00 CST		0	Heavy Rain
	07/16/19 14:00 CST		0	Source: AWOS

This rainfall was from midnight to 2 PM CST...event total from KADF AWOS.

PIKE COUNTY --- 0.6 W ANTOINE [34.03, -93.43]				
	07/16/19 14:00 CST		0	Heavy Rain
	07/16/19 14:00 CST		0	Source: COOP Observer

The COOP observer reported 11.69 inches for total rainfall.

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PIKE COUNTY --- 0.9 SW LANGLEY [34.31, -93.84]

	07/16/19 14:00 CST		0	Heavy Rain
	07/16/19 14:00 CST		0	Source: COOP Observer

The COOP observer reported 12.73 inches for the event total rainfall.

PIKE COUNTY --- 1.3 WNW MURFREESBORO [34.08, -93.70]

	07/16/19 14:00 CST		0	Heavy Rain
	07/16/19 14:00 CST		0	Source: COOP Observer

The COOP observer reported 13.50 inches for total rainfall.

PIKE COUNTY --- 2.4 SSE LAKE GREESON [34.15, -93.71]

	07/16/19 14:00 CST		0	Heavy Rain
	07/16/19 14:00 CST		0	Source: COOP Observer

The COOP observer reported 7.04 inches for total rainfall.

While it appeared we dodged a bullet, Barry had one last card to play. As the system exited to the north, some forecast models indicated a potential of over ten inches of rain southwest of Little Rock (Pulaski County) during the wee hours of the 16th. Given an underwhelming event thus far, this much rain seemed a little far fetched. But because data did not back down, and kept showing impressive totals, it was difficult to ignore. Forecasters went with the model solutions.

In the end, the data was correct. The radar lit up in the southwest late on the 15th, and continued well into the next morning. Rainfall rates exceeded three inches per hour at times. Six inches to more than a foot of liquid was estimated by radar in sections of Clark, Hempstead, Howard, Nevada, and Pike Counties. Flash Flood Emergencies were issued by the National Weather Service in these areas.

Near Murfreesboro (Pike County), 13.50 inches of rain was reported. Since the 14th, the site had 14.58 inches, which was temporarily a state record for precipitation tied to a tropical system (since 1950).

Then there was word of an astounding 16.59 inches at Dierks (Howard County) in three days, which became the new tropical high mark. Of this, 16.17 inches dumped from 100 pm CDT on the 15th to 100 pm CDT on the 16th. Up until this point, the most rain that fell in a day across Arkansas was 14.06 inches near Big Fork (Polk County) on December 3, 1982. With so much rain in such a short amount of time, a nightmare high water scenario unfolded.

Water flooded roads, homes, and businesses in a narrow swath from just east of De Queen (Sevier County) to Dierks and Nashville (Howard County), Murfreesboro (Pike County), Prescott (Nevada County), and Arkadelphia (Clark County). Dozens of rescues were performed (from flooded homes, trees, and vehicles driven into water). Miraculously, there were no fatalities.

At Arkadelphia (Clark County), water was knee deep at one point at the humane society, and animals swam for their lives. Residents were asked to take animals home until the facility could get back on its feet. South of town, Interstate 30 was shut down near Gurdon (Clark County) and toward Prescott (Nevada County). Between these cities, traffic was backed up for ten miles at one point. There was considerable water damage at the police department and county jail in Nashville (Howard County). At the latter location, inmates had to be relocated.

The Antoine and Little Missouri Rivers shot up at least twenty feet. At Boughton (Nevada County), the Little Missouri River crested between 24 and 25 feet on the 17th. The river had not been this high since 1982. Water from these tributaries emptied into the Ouachita River, causing it to swell at Camden (Ouachita County) and Thatcher Lock and Dam (Union County).

If not for Barry, July would have been relatively dry in much of the region. Instead, it was wet in most of the south/east. Monthly rainfall was one to more than three inches above average at El Dorado (Union County), Jonesboro (Craighead County), Pine Bluff (Jefferson County), and West Memphis (Crittenden County). Precipitation was subpar by over an inch in the northwest at Fayetteville (Washington County).

CLARK COUNTY --- 4.5 S BURTSSELL [33.89, -93.32], 3.2 W BRITTS [33.89, -93.29], 4.3 SW BRITTS [33.86, -93.28], 5.7 SW BRITTS [33.85, -93.31]

	07/16/19 11:58 CST		0	Flood (due to Heavy Rain)
	07/18/19 17:03 CST		0	Source: River/Stream Gage

Heavy rain brought flooding to the Little Missouri River at Boughton in mid July.

WOODRUFF COUNTY --- 3.8 WNW AUGUSTA [35.30, -91.43], 1.9 NE AUGUSTA [35.30, -91.35], 1.2 SSE NEW AUGUSTA [35.25, -91.34], 4.1 WSW RUFFWOOD [35.26, -91.44]

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	07/16/19 16:15 CST		0	Flood (due to Heavy Rain)
	07/16/19 20:11 CST		0	Source: River/Stream Gage

Heavy rain brought flooding to the White River at Augusta on July 16, 2019.

WOODRUFF COUNTY --- 1.0 W RIVERSIDE [35.28, -91.25], 0.2 E RIVERSIDE [35.28, -91.23], 0.5 N PATTERSON [35.26, -91.23], 0.6 N CAVELL [35.26, -91.25]

	07/16/19 17:30 CST		0	Flood (due to Heavy Rain)
	07/24/19 23:30 CST		0	Source: River/Stream Gage

Heavy rain brought flooding to the Cache River at Patterson July 16, 2019.

OUACHITA COUNTY --- 2.2 WSW KENT [33.62, -92.86], 0.4 W WARNER [33.63, -92.81], 2.5 SW LAKESIDE [33.56, -92.77], 0.6 ENE COLLENDALE [33.55, -92.82]

	07/17/19 19:01 CST		0	Flood (due to Heavy Rain)
	07/26/19 07:20 CST		0	Source: River/Stream Gage

Heavy rain brought flooding to the Ouachita River at Camden in mid July.

Heavy rain brought flooding to several rivers in mid July 16, 2019.

(AR-Z044) PULASKI

	07/18/19 10:00 CST	1	0	Excessive Heat
	07/18/19 18:00 CST		0	

Direct Fatalities: M32OU

After the remnants of hurricane Barry departed to the northeast of Arkansas on the 17th, high pressure and hot weather returned for several days. An ex NFL football player died of heat stroke on July 18, 2019. This was a result of the hot and humid conditions at this time.