

Storm Data and Unusual Weather Phenomena - November 2019

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

(AL-Z025) SHELBY, (AL-Z028) CLAY, (AL-Z029) RANDOLPH, (AL-Z035) CHILTON, (AL-Z036) COOSA, (AL-Z037) TALLAPOOSA, (AL-Z043) ELMORE, (AL-Z044) MONTGOMERY, (AL-Z045) MACON, (AL-Z047) LEE

11/01/19 00:00 CST	0	Drought
11/19/19 12:00 CST	0	

Several rounds of significant rainfall and cooler temperatures during the first half of November resulted in a dramatic improvement in drought conditions across Central Alabama.

PIKE COUNTY --- 0.9 E BRUNDIDGE MUNI ARPT [31.73, -85.78], 1.4 E BRUNDIDGE MUNI ARPT [31.73, -85.78]

11/27/19 09:05 CST	0	Tornado (EF0, L: 0.48 mi , W: 65 yd)
11/27/19 09:06 CST	0	Source: NWS Storm Survey

National Weather Service meteorologists surveyed damage in southeast Pike County, just northeast of the town of Brundidge, and determined that it was consistent with an EF0 tornado, with maximum sustained winds near 70 mph.

The tornado touched down in an open field near the intersection of Highway 10 and County Road 81. The first indicated damage was a tin roof removed from an older manufactured home and an uprooted hardwood tree. The tornado moved east-southeastward and damaged a manufactured home. The manufactured home was slightly shifted off its supports, and sustained skirting damage and a broken window. There was also light splatter on all four sides of the home. The tornado produced minor small limb damage as it crossed Alabama Highway 10. The tornado then uprooted five pecan trees, with a slightly convergent pattern. Another hardwood was uprooted just off the shoulder north of Alabama Highway 10, also indicative of convergence. The tornado dissipated rapidly past this point and produced no further damage.

BARBOUR COUNTY --- 0.6 WNW CLIO [31.72, -85.63], 0.6 ENE CLIO [31.72, -85.61]

11/27/19 09:19 CST	0	Tornado (EF0, L: 1.15 mi , W: 40 yd)
11/27/19 09:21 CST	0	Source: NWS Storm Survey

National Weather Service meteorologists surveyed damage in southwest Barbour County and determined that it was consistent with an EF0 tornado, with maximum sustained winds near 60 mph.

The tornado touched down a few miles northwest of the town of Clio. Doppler RADAR showed a tornado debris signature (TDS) associated with an area of rotation as the cell moved eastward towards Highway 51. Minor tree damage was noted on Alabama Highway 10 as well as on Highway 51. Given radar evidence, a brief EF0 track was assigned to an area on the northwest side of Clio. Tornado intensity was estimated using velocity strength and TDS height.

BARBOUR COUNTY --- 3.3 SE BAXTERS [31.72, -85.56], 3.1 W LINDSEY [31.74, -85.53]

11/27/19 09:26 CST	0	Tornado (EF0, L: 2.13 mi , W: 55 yd)
11/27/19 09:30 CST	0	Source: NWS Storm Survey

National Weather Service meteorologists surveyed damage in southwest Barbour County and determined that it was consistent with an EF0 tornado, with maximum sustained winds near 65 mph.

The tornado touched just northeast of the town of Clio, near the intersection of County Road 23 and Baxters Sexton Road. The tornado tracked northeast and crossed Blue Springs Road, where only minor tree damage observed. The tornado dissipated near County Road 33.

A narrow band of thunderstorms along a pre-frontal trough tracked across the southeast portions of Central Alabama during the morning hours. Deep layer bulk shear and low level helicity values were sufficient enough to produce three weak tornadoes.

CHEROKEE COUNTY --- WATSON [34.33, -85.57]

11/30/19 21:22 CST	0	Hail (0.75 in)
11/30/19 21:22 CST	0	Source: Emergency Manager

Dime size hail reported near the intersection of Highway 35 and County Road 41.

A band of showers and thunderstorms tracking southward across north Alabama encountered a zone of higher mid level lapse rates. One of the storms produced dime size hail in Cherokee County.

ALABAMA, North

(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z006) MADISON,

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(AL-Z007) MORGAN, (AL-Z008) MARSHALL, (AL-Z009) JACKSON, (AL-Z010) DEKALB, (AL-Z016) CULLMAN				
	11/01/19 00:00 CST		0	Frost/Freeze
	11/01/19 08:00 CST		0	
Temperatures dropped into the 29 to 32 degree range.				
(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z006) MADISON, (AL-Z007) MORGAN, (AL-Z008) MARSHALL, (AL-Z009) JACKSON, (AL-Z010) DEKALB, (AL-Z016) CULLMAN				
	11/01/19 22:00 CST		0	Frost/Freeze
	11/02/19 07:00 CST		0	
Temperatures dropped into the 28 to 32 degree range.				
(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z006) MADISON, (AL-Z007) MORGAN, (AL-Z008) MARSHALL, (AL-Z009) JACKSON, (AL-Z010) DEKALB				
	11/08/19 22:00 CST		0	Frost/Freeze
	11/09/19 08:00 CST		0	
Temperatures fell into the middle to upper 20s for several hours.				
(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z006) MADISON, (AL-Z007) MORGAN, (AL-Z008) MARSHALL, (AL-Z009) JACKSON, (AL-Z010) DEKALB, (AL-Z016) CULLMAN				
	11/11/19 00:00 CST		0	Winter Weather
	11/12/19 06:00 CST		0	
An Arctic cold front dropped temperatures sharply from the 50s to lower 60s into the upper 20s to lower 30s during the overnight hours. Rain changed to freezing rain and sleet for a brief period. A light glaze of ice developed on mainly elevated surfaces, and sleet accumulated up to a tenth of an inch, mainly on grassy and elevated surfaces.				
FRANKLIN COUNTY --- 3.3 NNE DEMPSEY [34.52, -87.92]				
	11/22/19 21:49 CST		0	Hail (0.88 in)
	11/22/19 21:50 CST		0	Source: Broadcast Media
Social media photo of up to nickel sized hail near cedar creek lake. Time estimated by radar.				
FRANKLIN COUNTY --- 2.1 SSE PLEASANT GROVE [34.54, -87.91]				
	11/22/19 21:50 CST		0	Hail (1.00 in)
	11/22/19 21:51 CST		0	Source: Public
Quarter sized hail reported near Belgreen. Time estimated by radar.				
LIMESTONE COUNTY --- 0.7 N ELKMONT [34.94, -86.98]				
	11/22/19 22:55 CST		0	Hail (1.00 in)
	11/22/19 22:56 CST		0	Source: Amateur Radio
Quarter sized hail reported on Compton Rd in Elkmont.				
Hail was reported with severe thunderstorms that moved through NW AL.				
COLBERT COUNTY --- 0.7 N TUSCUMBIA [34.74, -87.70], 0.5 N TUSCUMBIA [34.74, -87.70], 0.5 NNE TUSCUMBIA [34.74, -87.70], 0.7 N TUSCUMBIA [34.74, -87.70]				
	11/30/19 16:57 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 21:00 CST		0	Source: Emergency Manager
Flooding was reported at the intersection of N Commons Street and N Cave Street. Depth of water unknown.				
COLBERT COUNTY --- 0.7 S MUSCLE SHOALS [34.74, -87.67], 0.7 SSE MUSCLE SHOALS [34.74, -87.66], 0.9 SSE MUSCLE SHOALS [34.74, -87.67], 0.9 S MUSCLE SHOALS [34.74, -87.67]				
	11/30/19 17:05 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 22:00 CST		0	Source: Emergency Manager

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Flooding along Woodward Avenue in Muscle Shoals. Depth of water unknown.				
LAUDERDALE COUNTY --- 0.9 NW WEEDEN HGTS [34.84, -87.63], 0.8 NNW WEEDEN HGTS [34.84, -87.63], 1.0 NNW WEEDEN HGTS [34.84, -87.63], 1.2 ESE MARS HILL [34.84, -87.63]				
	11/30/19 17:05 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 21:00 CST		0	Source: Emergency Manager
Flooding near the intersection of Seville Street and Gresham Road.				
COLBERT COUNTY --- 0.9 SE SHEFFIELD [34.76, -87.69], 0.9 SE SHEFFIELD [34.76, -87.69], 1.0 SE SHEFFIELD [34.76, -87.69], 0.9 SE SHEFFIELD [34.76, -87.69]				
	11/30/19 17:19 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 22:00 CST		0	Source: Emergency Manager
Flooding was reported near the 700 block of 2nd Street.				
COLBERT COUNTY --- 0.6 SE MUSCLE SHOALS [34.74, -87.66], 0.7 SE MUSCLE SHOALS [34.74, -87.66], 0.9 SE MUSCLE SHOALS [34.74, -87.66], 0.8 SSE MUSCLE SHOALS [34.74, -87.66]				
	11/30/19 17:35 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 22:00 CST		0	Source: Emergency Manager
Flooding was reported in the 100 block of Oak Drive.				
LAUDERDALE COUNTY --- 0.9 SE PETERSVILLE [34.84, -87.67], 0.7 SSE PETERSVILLE [34.84, -87.68], 0.6 NNE NORTH FLORENCE [34.84, -87.68], 0.8 NE NORTH FLORENCE [34.84, -87.67]				
	11/30/19 18:00 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 22:00 CST		0	Source: Emergency Manager
Flooding along Chisholm Road near the intersection of Gresham Road.				
LAUDERDALE COUNTY --- 1.1 W ROGERSVILLE [34.83, -87.30], 1.0 WNW ROGERSVILLE [34.83, -87.30], 1.4 WNW ROGERSVILLE [34.83, -87.30], 1.3 W ROGERSVILLE [34.83, -87.30]				
	11/30/19 18:00 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 21:00 CST		0	Source: Public
Rose Street in Rogersville was flooded. Depth of water unknown.				
COLBERT COUNTY --- 2.1 SSW VALDOSTA [34.69, -87.73], 1.8 S VALDOSTA [34.69, -87.72], 1.5 SSW VALDOSTA [34.70, -87.73], 2.2 SSW VALDOSTA [34.69, -87.74]				
	11/30/19 18:25 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 22:00 CST		0	Source: Public
Flooding at the intersection of Underwood Mountain Road and Frankfort Road.				
COLBERT COUNTY --- 2.4 ESE UNDERWOOD XRDS [34.74, -87.49], 2.6 ESE UNDERWOOD XRDS [34.74, -87.49], 2.5 E UNDERWOOD XRDS [34.74, -87.49], 2.3 E UNDERWOOD XRDS [34.75, -87.49]				
	11/30/19 18:49 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 22:00 CST		0	Source: Emergency Manager
Flooding reported at the intersection of Jarmon Road and Hatton School Road. Depth of water unknown.				
COLBERT COUNTY --- 1.3 WSW WILSON DAM [34.77, -87.67], 1.3 WSW WILSON DAM [34.77, -87.67], 1.3 WSW WILSON DAM [34.77, -87.67], 1.4 WSW WILSON DAM [34.77, -87.67]				
	11/30/19 18:52 CST		0	Flood (due to Heavy Rain)
	11/30/19 23:00 CST		0	Source: State Official
Flooding at the corner of N. Jackson Highway and Martin Avenue. Depth of water unknown.				
LIMESTONE COUNTY --- 1.7 W BETHEL [34.93, -86.86], 1.1 W BETHEL [34.93, -86.85], 1.2 WNW BETHEL [34.94, -86.85], 1.9 WNW BETHEL [34.94, -86.86]				
	11/30/19 19:51 CST		0	Flood (due to Heavy Rain)
	11/30/19 23:00 CST		0	Source: Public

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Report of a car stranded in floodwaters at Bethel Road and Oak Grove Road. Depth of water unknown.				
COLBERT COUNTY --- 0.7 N UNDERWOOD XRDS [34.76, -87.53], 0.8 NNE UNDERWOOD XRDS [34.76, -87.53], 0.3 ENE UNDERWOOD XRDS [34.75, -87.52], 0.3 NNW UNDERWOOD XRDS [34.75, -87.53]				
	11/30/19 20:41 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 23:00 CST		0	Source: Emergency Manager

Flooding reported at the intersection of 2nd Street and County Line Road. Depth of water unknown.

COLBERT COUNTY --- 1.8 NE CHEROKEE [34.77, -87.95], 1.6 NNE CHEROKEE [34.77, -87.96], 1.4 NNE CHEROKEE [34.77, -87.96], 1.6 NE CHEROKEE [34.77, -87.95]				
	11/30/19 20:47 CST		0	Flash Flood (due to Heavy Rain)
	11/30/19 23:00 CST		0	Source: Emergency Manager

Flooding was reported at the intersection of Virginia and 9th Street. Depth of water unknown.

An unseasonably warm and humid airmass flowed northward in advance of a front system on the 30th. This resulted in multiple clusters of showers and thunderstorms which repeatedly moved across northwest Alabama. Rainfall amounts of 2 to 5 inches were reported, with much of it falling during a 2-3 hour period during the late afternoon and early evening hours. This resulted in several flash floods in northwest Alabama, followed by a period of areal flooding.

ALABAMA, Southwest

MOBILE COUNTY --- 0.5 SW PRICHARD [30.72, -88.05], 0.3 SSE PRICHARD [30.73, -88.05]				
	11/07/19 13:35 CST		0	Tornado (EF0, L: 0.38 mi , W: 25 yd)
	11/07/19 13:37 CST		0	Source: NWS Storm Survey

The storm survey team surveyed the areas around Telegraph Road and Industrial Canal Road based on public video of the tornado touchdown in the area. After surveying the area and speaking with people that witnessed the tornado, it was determined that the tornado was very weak and overall caused little damage. The primary damage noted was a snapped small tree on the banks of Three Mile Creek and a blown down power pole. Insulation from an industrial building was blown out, but the roof overall did not sustain appreciable damage. The start and end points are rough estimates based on the limited access of the area to the survey team. Based on video, the tornado likely moved across Threemile Creek and part of the Mobile River. It is possible the tornado continued across US Highway 90 into Blakeley Island. However, the team could not find any damage points to extend the track further east.

Thunderstorms moved across the area during the day. One of the storms became severe and produced brief, weak tornado in Mobile County.

CLARKE COUNTY --- 3.0 SE WINN [31.62, -87.88]				
	11/27/19 05:25 CST		0	Thunderstorm Wind (EG 61 kt)
	11/27/19 05:27 CST		0	Source: Emergency Manager

Several trees were downed near Toddtown.

CLARKE COUNTY --- 2.8 NNE GOSPORT [31.61, -87.56]				
	11/27/19 06:00 CST		0	Thunderstorm Wind (EG 87 kt)
	11/27/19 06:02 CST		0	Source: NWS Storm Survey

A large microburst produced significant tree damage on Westlock Dam Site Road on the west side of the Alabama river. 100 to 200 trees were snapped or uprooted, many of which were softwood. The extent of damage to the trees is consistent with wind speeds of 80 to 100 mph.

Severe thunderstorms developed ahead of a strong cold front moving southeast and produced high winds and damage across southwest Alabama.