

Storm Data and Unusual Weather Phenomena - December 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

ALABAMA, Central

(AL-Z011) MARION, (AL-Z012) LAMAR, (AL-Z013) FAYETTE, (AL-Z014) WINSTON, (AL-Z015) WALKER, (AL-Z017) BLOUNT, (AL-Z018) ETOWAH, (AL-Z019) CALHOUN, (AL-Z020) CHEROKEE, (AL-Z021) CLEBURNE, (AL-Z022) PICKENS, (AL-Z023) TUSCALOOSA, (AL-Z024) JEFFERSON, (AL-Z025) SHELBY, (AL-Z026) ST. CLAIR, (AL-Z027) TALLADEGA, (AL-Z028) CLAY, (AL-Z029) RANDOLPH, (AL-Z030) SUMTER, (AL-Z031) GREENE, (AL-Z032) HALE, (AL-Z033) PERRY, (AL-Z034) BIBB, (AL-Z035) CHILTON, (AL-Z036) COOSA, (AL-Z037) TALLAPOOSA, (AL-Z038) CHAMBERS, (AL-Z039) MARENGO, (AL-Z040) DALLAS, (AL-Z041) AUTAUGA, (AL-Z042) LOWNDES, (AL-Z043) ELMORE, (AL-Z044) MONTGOMERY, (AL-Z045) MACON, (AL-Z046) BULLOCK, (AL-Z047) LEE, (AL-Z048) RUSSELL, (AL-Z049) PIKE, (AL-Z050) BARBOUR	12/01/16 00:00 CST	0	0	Drought
	12/31/16 23:59 CST	0	0	

Below normal rainfall continued for a majority of central Alabama during the month of December. There were a few areas that received near or just above normal monthly rainfall amounts, including the northwest counties and those counties along and south of the I-85 corridor. For areas along the I-20 corridor, monthly rainfall averaged about 50-60 percent of normal. According to the Drought Monitor, drought conditions did not worsen in any county across central Alabama, while six counties were downgraded one drought level category.

ALABAMA, North

(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z006) MADISON, (AL-Z007) MORGAN	12/01/16 00:00 CST	0	0	Drought
	12/06/16 00:00 CST	0	0	

Several rounds of beneficial rainfall occurred at the end of November, helping to finally alleviate the worst drought conditions since 2007. While improvements are slow, they're steadily continuing to improve with each subsequent round of rainfall across Northern Alabama and Southern Middle Tennessee. The first Drought Monitor (DM) issuance of December finally shows the improvement after no-change was made to the last 2 issuances of the DM in late November.

(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z006) MADISON, (AL-Z007) MORGAN	12/06/16 00:00 CST	0	0	Drought
	12/20/16 00:00 CST	0	0	

Several rounds of beneficial rainfall occurred at the end of November, helping to finally alleviate the worst drought conditions since 2007. While improvements are slow, they're steadily continuing to improve with each subsequent round of rainfall across Northern Alabama and Southern Middle Tennessee. The first Drought Monitor (DM) issuance of December finally shows the improvement after no-change was made to the last 2 issuances of the DM in late November. Further improvements are expected heading into the end of the year.

COLBERT COUNTY --- RIVERTON [34.88, -88.08]

12/17/16 11:39 CST	0	0	Thunderstorm Wind (EG 52 kt)
12/17/16 11:39 CST	0	0	Source: Fire Department/Rescue

Multiple trees and power lines were knocked down in the Riverton area. Time estimated by radar.

COLBERT COUNTY --- 2.4 SSE PICKWICK LAKE [34.82, -88.08], 2.2 SE PICKWICK LAKE [34.83, -88.07]

12/17/16 23:37 CST	0	0	Tornado (EF0, L: 0.62 mi, W: 87 yd)
12/17/16 23:38 CST	0	0	Source: NWS Storm Survey

A survey team from the National Weather Service and Colbert County Emergency Management investigated significant tree damage in the Riverton area. The damage was associated with a weak tornado embedded in a line of thunderstorms along a cold front. Numerous softwood trees were either uprooted or snapped just east of Bear Creek along Riverton Rose Trail. Damage was conducive to an EF-0 tornado with maximum winds speeds of 85 MPH.

LAUDERDALE COUNTY --- 4.2 N WRIGHT [34.98, -87.99]

12/17/16 23:38 CST	0	0	Thunderstorm Wind (EG 52 kt)
12/17/16 23:38 CST	0	0	Source: Emergency Manager

Trees were knocked down on power lines. Time estimated by radar.

Storm Data and Unusual Weather Phenomena - December 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAUDERDALE COUNTY --- 4.2 N WRIGHT [34.98, -87.99]				
	12/17/16 23:43 CST		0	Thunderstorm Wind (EG 52 kt)
	12/17/16 23:43 CST		0	Source: Emergency Manager
Trees were knocked down on power lines. Time estimated by radar.				
LAUDERDALE COUNTY --- RHODESVILLE [34.87, -87.87]				
	12/17/16 23:45 CST		0	Thunderstorm Wind (EG 65 kt)
	12/17/16 23:45 CST		0	Source: Public
Power poles were snapped for about 1/2 mile along County Road 189 north of County Road 14. Time estimated by radar.				
LAUDERDALE COUNTY --- 0.9 NE SULLIVAN XRDS [34.91, -87.79]				
	12/18/16 00:00 CST		0	Thunderstorm Wind (EG 52 kt)
	12/18/16 00:00 CST		0	Source: Emergency Manager
Trees were knocked down along County Road 15. Time estimated by radar.				
LAUDERDALE COUNTY --- 1.8 WSW SULLIVAN XRDS [34.89, -87.83]				
	12/18/16 00:05 CST		0	Thunderstorm Wind (EG 52 kt)
	12/18/16 00:05 CST		0	Source: Emergency Manager
A power pole was knocked down on County Road 6.				
LAUDERDALE COUNTY --- 1.4 N RHODESVILLE [34.89, -87.87]				
	12/18/16 00:06 CST		0	Thunderstorm Wind (EG 52 kt)
	12/18/16 00:06 CST		0	Source: Emergency Manager
Trees were knocked down near the intersection of County Road 189 and County Road 6.				
LAUDERDALE COUNTY --- 0.9 NE SULLIVAN XRDS [34.91, -87.79]				
	12/18/16 00:29 CST		0	Thunderstorm Wind (EG 60 kt)
	12/18/16 00:29 CST		0	Source: Emergency Manager
Trees were knocked down along County Road 15.				
FRANKLIN COUNTY --- 1.3 WSW VINA [34.38, -88.07], 0.3 WSW VINA [34.38, -88.06]				
	12/18/16 00:42 CST		0	Tornado (EF0, L: 0.97 mi , W: 75 yd)
	12/18/16 00:46 CST		0	Source: NWS Storm Survey
A survey team from the National Weather Service and Franklin County Emergency Management conducted a ground survey of damage in Vina . An initially very weak and narrow tornado touched down in the Vina community along Highway 19 just west of Maple Street. Here some limbs were snapped off of a stand of trees on the south side of the road. Additional very minor tree damage was noted south of Highway 19. A tree was uprooted near a home along Cedar street south of Highway 19. Damage was once again noted on the south and west side of the Vina High School . On the south side, a large tree was snapped and a home sustained roof damage. The athletic fields sustained damage to the fences and a baseball dugout was destroyed. Several large unanchored objects here were thrown large distances. The school sustained roof damage in several locations including uplift of the roof on the main building. Windows were also blown out here by the wind with other damage due to the flying debris. Awnings were also destroyed connecting different portions of the school. The tornado was rated EF-0 here with maximum winds of 80 mph due to the damage to the roof in several different locations . The tornado lifted up and blew away shingles on another building here before lifting in the wooded area east-northeast of the school.				
COLBERT COUNTY --- 0.6 W WHITEHOUSE SPGS [34.65, -87.69]				
	12/18/16 00:48 CST		0	Thunderstorm Wind (EG 52 kt)
	12/18/16 00:48 CST		0	Source: Emergency Manager
Trees were knocked down on power lines in the Colbert Heights area. Time estimated by radar.				
MADISON COUNTY --- 1.8 ESE FISK [34.96, -86.55]				
	12/18/16 02:15 CST		3K	Thunderstorm Wind (EG 61 kt)
	12/18/16 02:15 CST		0	Source: Public
Three large trees and one smaller tree were uprooted. Time estimated by radar.				

Storm Data and Unusual Weather Phenomena - December 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

A line of thunderstorms produced two brief tornadoes in northwest Alabama. The line continued east producing strong and damaging winds in a few locations in northwest Alabama before crossing the rest of north Alabama during the early morning hours of the 18th.

ALABAMA, Southeast

(AL-Z065) COFFEE, (AL-Z066) DALE, (AL-Z067) HENRY, (AL-Z068) GENEVA, (AL-Z069) HOUSTON

12/01/16 00:00 EST	0	Drought
12/31/16 00:00 EST	0	

With increased rainfall in December, D2 drought conditions came to an end by the end of the month across the area.

HOUSTON COUNTY --- 0.6 ESE HODGESVILLE [31.08, -85.36], 1.1 SSE HODGESVILLE [31.06, -85.36], 1.0 S HODGESVILLE [31.07, -85.37], 0.4 SE HODGESVILLE [31.08, -85.36]

12/05/16 15:30 CST	0	Flood (due to Heavy Rain)
12/06/16 15:30 CST	0	Source: Emergency Manager

St. Mary Road was flooded between D. Hodge Road and Fletcher Smith Road as a result of a long duration of moderate to heavy rainfall.

HOUSTON COUNTY --- 0.8 N GRANGEBURG [31.01, -85.21], 2.2 NNE GRANGEBURG [31.03, -85.19], 2.3 NNE GRANGEBURG [31.03, -85.20], 1.3 NNW GRANGEBURG [31.02, -85.22]

12/05/16 15:30 CST	0	Flood (due to Heavy Rain)
12/06/16 15:30 CST	0	Source: Emergency Manager

County Road 81 was flooded between Bazemoore Mill Road and County Road 4 as a result of a long duration of moderate to heavy rainfall.

HOUSTON COUNTY --- 0.9 ENE HODGESVILLE [31.08, -85.36], 1.0 SE HODGESVILLE [31.07, -85.36], 1.2 ESE HODGESVILLE [31.07, -85.35], 1.1 ENE HODGESVILLE [31.08, -85.35]

12/05/16 15:30 CST	0	Flood (due to Heavy Rain)
12/06/16 15:30 CST	0	Source: Emergency Manager

Sewell Road (dirt road) was flooded between D. Hodge Road and Fletcher Smith Road as a result of a long duration of moderate to heavy rainfall.

HOUSTON COUNTY --- 2.1 ENE MADRID [31.05, -85.36], 2.0 ENE MADRID [31.04, -85.36], 1.3 WSW COTTONWOOD [31.04, -85.32], 1.2 WSW COTTONWOOD [31.05, -85.32]

12/05/16 15:30 CST	0	Flood (due to Heavy Rain)
12/06/16 15:30 CST	0	Source: Emergency Manager

Buntin Road was flooded as a result of a long duration of moderate to heavy rainfall.

HOUSTON COUNTY --- 2.5 WNW LOVE HILL [31.12, -85.31], 2.3 W LOVE HILL [31.12, -85.31], 2.1 WNW LOVE HILL [31.12, -85.30], 2.4 WNW LOVE HILL [31.12, -85.31]

12/05/16 15:30 CST	0	Flood (due to Heavy Rain)
12/06/16 15:30 CST	0	Source: Emergency Manager

Watertank road was flooded between Gene Terry Road and Fowler Road as a result of a long duration of moderate to heavy rainfall.

A slow moving system brought record amounts of deep layer moisture northward ahead of it as shown by the KTAE observed sounding setting a new December record precipitable water value for the 00z December 6th sounding at 2.18", beating the previous record of 2.05". Several rounds of rain and thunderstorms moved through with 3 day rainfall totals ranging from around 4" in Coffee county to nearly 12" in portions of Geneva and Houston counties. A few roads were flooded in Houston as a result.

ALABAMA, Southwest

(AL-Z051) CHOCTAW, (AL-Z052) WASHINGTON, (AL-Z053) CLARKE, (AL-Z054) WILCOX, (AL-Z055) MONROE, (AL-Z056) CONECUH, (AL-Z057) BUTLER, (AL-Z058) CRENSHAW, (AL-Z059) ESCAMBIA, (AL-Z060) COVINGTON, (AL-Z061) UPPER MOBILE, (AL-Z062) UPPER BALDWIN, (AL-Z063) LOWER MOBILE, (AL-Z064) LOWER BALDWIN

Storm Data and Unusual Weather Phenomena - December 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/01/16 00:00 CST		0	Drought
	12/31/16 23:59 CST		0	

An extensive period of dry weather resulted in worsening drought conditions, with severe to extreme drought continuing over all of southwest and south central Alabama. This came on the heels of a record dry October and November period. A couple of rain events during the second half of December led to improving conditions.