

Storm Data and Unusual Weather Phenomena - October 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-Z035) CHILTON, (AL-Z036) COOSA, (AL-Z037) TALLAPOOSA, (AL-Z043) ELMORE

10/01/19 00:00 CST	0	Drought
10/31/19 23:59 CST	0	

Much above normal temperatures during October kept severe drought conditions ongoing for portions of Central Alabama. However, above normal rainfall did help avert more serious drought conditions.

JEFFERSON COUNTY --- 0.6 N MORRIS [33.76, -86.82]

10/05/19 15:35 CST	0	Thunderstorm Wind (EG 50 kt)
10/05/19 15:36 CST	0	Source: Fire Department/Rescue

Several trees uprooted near the intersection of Sardis Road and Old Sardis Road.

A wedge front pushed westward towards Interstate 65 during the afternoon. Surface temperatures warmed into the middle 90s, which produced very strong low level lapse rates and unstable conditions. A cluster of thunderstorms developed just north of Interstate 20, with one storm over Jefferson County producing wind damage.

(AL-Z038) CHAMBERS, (AL-Z044) MONTGOMERY, (AL-Z045) MACON, (AL-Z047) LEE

10/08/19 00:00 CST	0	Drought
10/31/19 23:59 CST	0	

Severe drought conditions expanded into portions of south Central Alabama during October due to much above normal temperatures.

MARION COUNTY --- HAMILTON [34.13, -87.98]

10/26/19 11:30 CST	0	Thunderstorm Wind (EG 50 kt)
10/26/19 11:35 CST	0	Source: County Official

Numerous trees uprooted around the city of Hamilton.

The remnants of Tropical Cyclone Olga moved northward across Mississippi on October 26th. The surface low produced strong wind gusts across west Alabama. An outer band of convection associated with the low pressure center produced damaging winds across across Marion County.

ALABAMA, North

(AL-Z006) MADISON, (AL-Z008) MARSHALL, (AL-Z009) JACKSON, (AL-Z010) DEKALB

10/01/19 00:00 CST	0	Drought
10/31/19 00:00 CST	0	

Severe (D2) drought was introduced to the drought monitor.

(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN

10/26/19 10:00 CST	40K	Strong Wind (MAX 46 kt)
10/26/19 13:00 CST	0	

As the remnants of Tropical Storm Olga lifted northward through Mississippi into western Tennessee, strong and gusty winds developed across northwest Alabama during the late morning into the early afternoon. The winds lasted about 2-3 hours with sustained winds of 30-40 mph with gusts of 45-50 mph. The winds knocked down numerous trees and power lines in northwest Alabama, including the Quad Cities area.

(AL-Z002) COLBERT, (AL-Z007) MORGAN

10/31/19 03:00 CST	15K	Strong Wind (MAX 34 kt)
10/31/19 06:00 CST	0	

A strong cold front dropped temperatures 20-25 degrees from the lower 70s into the upper 40s to lower 50s from around 4:00 AM to 6:00 AM CST. A line of showers and thunderstorms accompanied the front, which were followed by a dramatic wind shift from south to west-northwest. Sustained wind speeds of 20-25 mph with frequent gusts of 35-40 mph were reported. Due to saturated soils from

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recent rainfall, even wind gusts of 35-40 mph were sufficient to topple several trees and limbs in north Alabama. Reports of trees and in some cases, power lines, were reported in Colbert and Morgan Counties.

ALABAMA, Southeast

(AL-Z067) HENRY

10/01/19 00:00 EST	0	Drought
10/23/19 00:00 EST	0	

D2 drought conditions persisted through October 22nd in Henry county.

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

10/01/19 00:00 EST	0	Drought
10/31/19 23:59 EST	0	

D2 drought conditions developed across southeast Alabama and persisted through the end of the month.

ALABAMA, Southwest

WILCOX COUNTY --- 3.0 E COY [31.90, -87.42]

10/05/19 13:32 CST	0	Thunderstorm Wind (EG 52 kt)
10/05/19 13:34 CST	0	Source: Emergency Manager

Multiple trees and power lines down near CR 12 and 13 and J.M. Brooks Road.

CLARKE COUNTY --- 2.0 N TALLAHATTA SPGS [31.93, -87.82]

10/05/19 14:47 CST	0	Thunderstorm Wind (EG 52 kt)
10/05/19 14:49 CST	0	Source: Emergency Manager

Tree and power lines down as well as a large tree down on Elam Baptist Church.

CLARKE COUNTY --- 3.0 WNW OPINE [31.92, -88.02]

10/05/19 15:12 CST	0	Thunderstorm Wind (EG 52 kt)
10/05/19 15:14 CST	0	Source: Emergency Manager

Tree and power lines down at Tallahatta Springs Road and Strawberry Road.

CHOCTAW COUNTY --- BLADON SPGS [31.73, -88.20]

10/05/19 15:53 CST	0	Thunderstorm Wind (EG 52 kt)
10/05/19 15:55 CST	0	Source: Emergency Manager

Tree down near the Bladon Springs community.

A line of thunderstorms moved across southwest Alabama and produced high winds which caused damage.

(AL-Z265) MOBILE COASTAL

10/19/19 06:00 CST	0	Coastal Flood
10/19/19 11:50 CST	0	

Tropical Storm Nestor remained a weak and disorganized system as it moved into the Florida panhandle. The primary impacts were minor coastal flooding.

MOBILE COUNTY --- 1.5 NW DAWES [30.61, -88.27], 2.0 ESE SEVEN HILLS [30.63, -88.27]

10/25/19 15:12 CST	0	Tornado (EF1, L: 1.34 mi , W: 75 yd)
10/25/19 15:14 CST	0	Source: NWS Storm Survey

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<p>The tornado first touched down just east of Arlington Oaks Drive. The tornado intensified as it moved north northwest and reached its peak intensity between Scott Dairy Loop Road and Johnson Road. Significant tree and roof damage was noted in the Spring Brook Farms subdivision, consistent with EF-1 damage. The tornado weakened as it moved north of Johnson Road and lifted near Hamilton Creek.</p>				

MOBILE COUNTY --- 2.2 NE SEVEN HILLS [30.67, -88.27], 2.2 NE SEVEN HILLS [30.67, -88.27]				
	10/25/19 15:19 CST		0	Tornado (EF0, L: 0.09 mi , W: 25 yd)
	10/25/19 15:20 CST		0	Source: NWS Storm Survey

Security camera footage from an NWS employee shows a brief tornado touchdown on Gwinnett Court West just south of Airport Boulevard. The tornado moved north and damaged the metal roof of a storage facility on Airport Boulevard just east of Snow Road. The storm survey team could not find any additional damage to the north of Airport Boulevard.

MOBILE COUNTY --- 1.8 NW SEMMES [30.80, -88.27], 2.4 S GEORGETOWN [30.85, -88.27]				
	10/25/19 15:37 CST		0	Tornado (EF1, L: 3.31 mi , W: 100 yd)
	10/25/19 15:42 CST		0	Source: NWS Storm Survey

The tornado first touched down near Stone Road and continued north northwest, intensifying as it reached Jamaica Road and Box Road. This is where the tornado was the strongest, producing extensive tree damage, consistent with high end EF-1 intensity. The tornado continued north past Coleman Dairy Road, producing damage at a mobile home park. The tornado then crossed Lott Road and lifted shortly thereafter.

CLARKE COUNTY --- 2.5 WSW RURAL [31.86, -87.77], 2.3 W RURAL [31.87, -87.77]				
	10/25/19 18:39 CST		0	Tornado (EF1, L: 0.91 mi , W: 100 yd)
	10/25/19 18:41 CST		0	Source: NWS Storm Survey

The tornado touched down on the west side of Sandflat Road and just west of John Rivers Lane. A home suffered significant roof damage just after the tornado developed. The tornado continued north and caused significant roof damage to a home on Gabby Lane. There was evidence of at least two distinct mesovortices embedded within the larger tornado circulation. There was also extensive tree damage in this area with the trunks of some hardwood trees snapped. The tornado continued north and lifted north of State Highway 154.

A warm front moved inland through the afternoon and brought a very warm, moist and unstable air mass to portions of the area. Showers and thunderstorms began developing ahead of the front over the marine area. As these showers and thunderstorms moved northward, they interacted with the warm front and produced four tornadoes that caused damage in southwest Alabama. While Tropical Storm Olga was forming across the west central Gulf of Mexico during the same time, these storms were not directly associated with that system.