

Storm Data and Unusual Weather Phenomena - December 2018

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

PERRY COUNTY --- 0.7 NNE VAIDEN [32.53, -87.36], 0.9 NE VAIDEN [32.53, -87.36]				
	12/01/18 14:34 CST		0	Tornado (EF0, L: 0.30 mi , W: 75 yd)
	12/01/18 14:36 CST		0	Source: NWS Storm Survey

National Weather Service meteorologists surveyed damage in southern Perry County and determined that it was consistent with an EF0 tornado, with maximum sustained winds near 65 mph. The tornado touched down near Alabama Highway 5 northeast of Vaiden Field Airport in Perry County. The tornado proceeded east northeast onto a property where minor structural damage and tree damage was observed. Two large hollowed out trees were snapped at the base along with several small to medium sized trees, either snapped or uprooted throughout the damage path. Two mobile homes on the property sustained minor roof damage, as well as damage to siding and vehicles parked nearby. Debris from the property was lofted into the nearby wooded area including roofing material and a trampoline where more tree damage and snapped tree branches were observed. No additional damage was observed beyond the endpoint on the eastern portion of the property.

AUTAUGA COUNTY --- 1.4 SSW BILLINGSLEY [32.63, -86.74], 1.3 SSW BILLINGSLEY [32.63, -86.74]				
	12/01/18 15:49 CST		0	Tornado (EF0, L: 0.26 mi , W: 100 yd)
	12/01/18 15:50 CST		0	Source: NWS Storm Survey

National Weather Service meteorologists surveyed damage in Autauga County and determined that it was consistent with an EF0 tornado, with maximum sustained winds near 65 mph. The tornado touched down in an inaccessible area approximately one-third of a mile north of the intersection of Highway 82 and County Road 37. At this intersection, storm chaser video shows what appears to be a funnel cloud with rising motion just west of Highway 82. Seconds later, rear-flank downdraft (RFD) winds are also evident as the storm chaser relocates to the south. This matches up well with radar data from KBMX, and a tornado debris signature (TDS) is noted downstream approximately two minutes after the video ended. This TDS was also observed from KMXR radar. Around the time of the initial TDS from KBMX, a second video from the same storm chaser was taken one-half mile south of the first video, showing an occluding circulation and RFD clear slot.

Isolated thunderstorms developed during the heating of the afternoon along a low level boundary in a highly sheared environment.

SUMTER COUNTY --- 2.4 SSE MC CAINVILLE [32.62, -88.20]				
	12/27/18 13:41 CST		0	Hail (1.00 in)
	12/27/18 13:42 CST		0	Source: Public

Thunderstorms developed over southwest Alabama along a northward moving warm front. Cold air aloft produced steep mid level lapse rates sufficient for the production of large hail.

ALABAMA, North

(AL-Z008) MARSHALL, (AL-Z010) DEKALB, (AL-Z016) CULLMAN				
	12/08/18 21:00 CST		40K	Strong Wind (MAX 48 kt)
	12/09/18 03:00 CST		0	

A wake low and/or series of gravity waves within this low produced strong and gusty winds for a couple of hours across portions of north central through northeast Alabama, including Cullman, Marshall and DeKalb Counties. Wind gusts of 35 to 50 mph were measured and there were multiple reports of trees and power lines being knocked down, causing loss of power. In Dekalb County along, nearly 40 reports of downed trees and power lines were reported by EMA officials.

(AL-Z006) MADISON, (AL-Z009) JACKSON				
	12/09/18 10:00 CST		0	Winter Weather
	12/09/18 21:00 CST		0	

During the morning hours, light snow fell in northwest Alabama, but only a dusting on grassy or elevated surfaces was reported. During the afternoon and evening hours, a light snow accumulation occurred on portions of the higher elevations of northeast Alabama. The accumulation was mainly on grassy or elevated surfaces. Valley locations received only rainfall or a few wet snow flakes.

(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				
	12/11/18 03:00 CST		0	Freezing Fog
	12/11/18 09:00 CST		0	

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Freezing fog, some dense developed over much of the Tennessee Valley. Visibility was reduced to 1/4 mile or less in many locations. Hoar frost developed in some of these locations, including some road surfaces. In addition, black ice also developed due to moisture from the previous day's rainfall refreezing.

(AL-Z016) CULLMAN

	12/22/18 06:00 CST		0	Freezing Fog
	12/22/18 10:00 CST		0	

Freezing fog developed and became widespread across Cullman County from around 6 AM to 10 AM LST. Visibility was reduced to 1/4 mile and less as reported by local law enforcement and the Vinemont (KCMD) AWOS.

(AL-Z006) MADISON

	12/27/18 00:00 CST		0	Strong Wind (MAX 38 kt)
	12/27/18 00:00 CST		0.50K	

Southeast winds of 20-30 mph with gusts near 50 mph were reported during the morning hours ahead of a strong cold front.

LAUDERDALE COUNTY --- 0.9 NE CLOVERDALE [34.94, -87.76]

	12/31/18 14:04 CST		0.20K	Thunderstorm Wind (EG 43 kt)
	12/31/18 14:04 CST		0	Source: Emergency Manager

A tree was knocked down on CR 8 east of CR 139 near the bridge.

FRANKLIN COUNTY --- 0.7 S RUSSELLVILLE [34.51, -87.73]

	12/31/18 14:12 CST		0.20K	Thunderstorm Wind (EG 43 kt)
	12/31/18 14:12 CST		0	Source: Broadcast Media

A large tree was knocked down in downtown Russellville. Report via social media.

LAUDERDALE COUNTY --- 1.3 WNW HOLLOWAY [34.89, -87.55]

	12/31/18 14:23 CST		0.20K	Thunderstorm Wind (EG 43 kt)
	12/31/18 14:23 CST		0	Source: Emergency Manager

A tree was knocked down at 3871 CR 63 and was blocking the road.

LAUDERDALE COUNTY --- 1.4 S BLACKBURN [34.91, -87.63]

	12/31/18 14:30 CST		0.20K	Thunderstorm Wind (EG 43 kt)
	12/31/18 14:30 CST		0	Source: Emergency Manager

A tree was knocked down and blocking one lane at the intersection of CR 61 and CR 24.

A line of showers and thunderstorms produced a few reports of wind damage in northwest Alabama during the mid afternoon hours.

ALABAMA, Southeast

HOUSTON COUNTY --- 1.8 E HOLLIS DAIRY RD [31.23, -85.52]

	12/01/18 23:05 CST		5K	Thunderstorm Wind (EG 60 kt)
	12/01/18 23:05 CST		0	Source: Emergency Manager

Trees and power lines were blown down with siding damage to a school.

HOUSTON COUNTY --- 1.8 E PEARCE [31.25, -85.19]

	12/01/18 23:30 CST		1K	Thunderstorm Wind (EG 50 kt)
	12/01/18 23:30 CST		0	Source: Utility Company

A power outage occurred along Hunter Road due to trees down on lines.

HOUSTON COUNTY --- 0.5 WSW BRANNON STAND [31.24, -85.49], 0.6 NE BRANNON STAND [31.24, -85.47]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/02/18 01:49 CST		15K	Tornado (EF0, L: 1.03 mi , W: 75 yd)
	12/02/18 01:51 CST		0	Source: NWS Storm Survey

Damage, consisting of a few dozen snapped pine trees, began near the end of Muirfield Lane in Highland Oaks. The tornado traveled to the northeast and crossed Highway 84 near its intersection with Brannon Stand Road where a power pole was snapped and several trees were downed. The tornado then crossed through the Whispering Pines subdivision, downing a few dozen trees and damaging fences. The most significant damage was noted along Chloe Court, where in addition to tree damage, a couple of homes suffered roof damage and a car was flipped over from a driveway into a yard. The tornado continued traveling northeast, and the last evidence of damage was five or six snapped trees along Westwood Rd. There were no injuries due to the tornado. The tornado was rated EF0 with estimated max winds of 85 mph. The National Weather Service would like to thank Houston County EMA Director Chris Judah for his assistance with this damage survey.

HOUSTON COUNTY --- BRANNON STAND [31.24, -85.48]

12/02/18 01:55 CST	3K	Thunderstorm Wind (EG 65 kt)
12/02/18 01:55 CST	0	Source: Emergency Manager

Several trees and power poles were snapped.

HOUSTON COUNTY --- 0.7 N WICKSBURG [31.21, -85.62]

12/02/18 03:50 CST	0	Thunderstorm Wind (EG 50 kt)
12/02/18 03:50 CST	0	Source: Emergency Manager

Trees were blown down in the Wicksburg area.

HOUSTON COUNTY --- 1.4 NW JONES CROSSROADS [31.22, -85.50]

12/02/18 04:15 CST	1K	Thunderstorm Wind (EG 50 kt)
12/02/18 04:15 CST	0	Source: Broadcast Media

Minor damage was reported around hole number 2 at the Highland Golf Course.

HOUSTON COUNTY --- COLUMBIA [31.29, -85.11]

12/02/18 04:50 CST	2K	Thunderstorm Wind (EG 50 kt)
12/02/18 04:50 CST	0	Source: Broadcast Media

Trees and power lines were blown down in the Columbia area.

A significant flooding and severe weather event unfolded over the tri-state area during early December as showers and thunderstorms spread northward across the area for multiple days. The most noteworthy impact over the weekend was heavy precipitation. Widespread rainfall totals reached 5-7 inches throughout the area with some localized heavier amounts near 10 inches. This resulted in flash flooding and river flooding across numerous counties. In addition, five tornadoes touched down, including one in southeast Alabama, two in southwest Georgia, one in the Florida panhandle, and one in the Florida big bend.

ALABAMA, Southwest

BALDWIN COUNTY --- 0.9 NE LILLIAN [30.41, -87.44], 1.3 NE LILLIAN [30.41, -87.43], 0.8 ENE LILLIAN [30.40, -87.44], 0.7 NE LILLIAN [30.41, -87.44]

12/01/18 16:27 CST	0	Flash Flood (due to Heavy Rain)
12/01/18 19:00 CST	0	Source: Broadcast Media

Fast moving water across several roads was reported near County Road 99 and Highway 98 in Lillian.

Thunderstorms developed ahead of a strong cold front moving across the southeast. The storms produced 5 to 10 inches of rain across extreme southeastern Baldwin County near the Florida state line. This resulted in isolated flash flooding.

CLARKE COUNTY --- THOMASVILLE [31.92, -87.73]

12/27/18 17:16 CST	10K	Thunderstorm Wind (EG 52 kt)
12/27/18 17:18 CST	0	Source: Emergency Manager

Numerous trees and a few power lines were downed in and around Thomasville. Windows were blown out of a building on Front Street.

CLARKE COUNTY --- 2.4 W WHATLEY [31.65, -87.74], 1.0 E ATKINSON [31.97, -87.65], 4.3 E BASHI [31.98, -87.80], 3.1 E WINN [31.66, -87.87]

12/27/18 21:00 CST	0.10M	Flash Flood (due to Heavy Rain)
12/28/18 03:30 CST	0	Source: Emergency Manager

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<p>Extensive flash flooding occurred in Clarke County due to 5 to 8 inches of rain that fell in a short duration. The most extensive flooding occurred in the Thomasville and Fulton areas, particularly around Bassett Creek. 31 roads were flooded and 15 were damaged. 2 homes in Fulton along School Street were flooded. Flooding also occurred along Highway 43 just south of Thomasville near Dummy Line Road, stranding vehicles.</p>				

CHOCTAW COUNTY --- 1.6 ESE GILBERTOWN [31.86, -88.30], 0.8 NW ROBJOHN [32.23, -88.14], 2.5 W YANTLEY [32.25, -88.42], 2.2 SSW EVANSBORO [31.85, -88.47]

12/28/18 02:00 CST	0.70M	Flash Flood (due to Heavy Rain)
12/28/18 07:00 CST	0	Source: Emergency Manager

Extensive flash flooding occurred across the central and northern portions of Choctaw County due to a large swath of 6 to 10 inches of rain. Some of the harder hit areas included the Yantley and Jachin communities along Highway 10, along with the Mosley Bridge Road area near Gilberton. In total, around 20 roads were flooded, with more than 10 damaged. 5 homes and 3 businesses also suffered flooding damage. In total, there was over \$600,000 in infrastructure damage, including damage to roads, railroads, and water utilities.

WASHINGTON COUNTY --- 1.6 N HEALING SPGS [31.65, -88.33], 1.8 NNW KOENTON [31.65, -88.29], 1.7 SW KOENTON [31.61, -88.29], 1.1 S HEALING SPGS [31.61, -88.33]

12/28/18 03:00 CST	0	Flash Flood (due to Heavy Rain)
12/28/18 06:00 CST	0	Source: Emergency Manager

A few roads were flooded in and around Millry.

Significant flash flooding unfolded across parts of southwest Alabama (Choctaw, Clarke Counties) where a swath of 5 to 10 inches of rain fell in a short period of time. The highest rainfall total that occurred in southwest Alabama was 10 inches near Aquilla, AL in Choctaw County.

Numerous roads were closed or washed out across the aforementioned area due to the flash flooding. Floodwaters also inundated some homes in Choctaw and Clarke Counties. Rapidly rising floodwaters also led to a few water rescues.