

Storm Data and Unusual Weather Phenomena - February 2017

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

(AL-Z027) TALLADEGA, (AL-Z028) CLAY, (AL-Z029) RANDOLPH				
	02/01/17 00:00 CST		0	Drought
	02/28/17 12:00 CST		0	

Significant rainfall over portions of east central Alabama eased the drought conditions.

(AL-Z013) FAYETTE, (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-Z026) ST. CLAIR, (AL-Z034) BIBB				
	02/01/17 00:00 CST		0	Drought
	02/28/17 23:59 CST		0	

(AL-Z025) SHELBY				
	02/01/17 00:00 CST		0	Cold/Wind Chill
	02/28/17 23:59 CST		0	

Below normal rainfall totals and above normal temperatures across north central Alabama maintained the severe to extreme drought conditions.

MONTGOMERY COUNTY --- 0.3 NW LONDON [32.27, -86.05], 0.3 N LONDON [32.27, -86.05]				
	02/07/17 13:42 CST		0	Tornado (EF0, L: 0.20 mi , W: 85 yd)
	02/07/17 13:43 CST		0	Source: NWS Storm Survey

National Weather Service meteorologists surveyed damage south of the Pike Road community in Montgomery County and determined that the damage was consistent with an EF0 tornado, with maximum sustained winds near 70 mph.

This tornado occurred on private property near Mockingbird Lane and adjacent to London Road, mainly on pasture lands. The tornado uprooted and snapped several hard and softwood trees that were consistently observed to be convergent. A small garden shed along the path was also heavily damaged.

LEE COUNTY --- 2.6 NW MITCHELL XRD [32.56, -85.43]				
	02/07/17 14:43 CST		0	Thunderstorm Wind (EG 52 kt)
	02/07/17 14:47 CST		0	Source: NWS Storm Survey

National Weather Service meteorologists surveyed damage south of Opelika that was consistent with straight line wind damage, with maximum sustained winds near 60 mph.

This swath of damaging winds began in a rural area just west of Society Hill Road and Nash Creek and continued northeast, crossing County Road 27 and County Road 957 before ending on Moores Mill Road. The damage consisted of mainly uprooted trees in which the pattern was divergent in nature but was inconsistent along the path. The swath was 1.19 miles long and was 150 yards wide at its widest point.

LEE COUNTY --- 1.2 ESE PEPPERELL [32.62, -85.38]				
	02/07/17 14:53 CST		0	Thunderstorm Wind (EG 55 kt)
	02/07/17 14:54 CST	1	0	Source: NWS Storm Survey

National Weather Service meteorologists surveyed damage in the city of Opelika that was consistent with straight line wind damage, with maximum sustained winds estimated at 60 to 70 mph.

This swath of damaging wind began at a large warehouse building on Williamson Avenue. Significant structure and roof damage was sustained. The damaging winds continued northeastward onto Steel Street, where another industrial building sustained roof damage, along with minor damage to other structures. The Goo Goo Car Wash on Marvyn Parkway sustained significant roof damage just to the northeast, where the swath of damaging winds ended. The swath was 0.66 miles long and was 150 yards wide at its widest point. One person sustained minor injuries at the car wash.

Thanks to Lee County EMA for their assistance with this survey.

A deep upper level trough moved through the Tennessee Valley. The associated surface low pressure system moved northeastward from the Central Plains into the Great Lakes. The system had a strong low level jet, while the upper level jet remained displaced to the north and west. A large complex of storms developed and swept through Central Alabama during the day on Tuesday, February 7, 2017. A few stronger storms developed along a bowing line segment during the late morning and into the early afternoon hours.

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(AL-Z011) MARION, (AL-Z012) LAMAR, (AL-Z014) WINSTON, (AL-Z030) SUMTER, (AL-Z031) GREENE, (AL-Z032) HALE				
	02/21/17 00:00 CST		0	Drought
	02/28/17 23:59 CST		0	

Below normal rainfall and above normal temperatures brought a few counties back to D2 status.

ALABAMA, North

MORGAN COUNTY --- 1.5 NNW MT TABOR [34.45, -86.88], 2.1 N MT TABOR [34.46, -86.87]				
	02/08/17 19:10 CST		0	Thunderstorm Wind (EG 52 kt)
	02/08/17 19:15 CST		0	Source: NWS Storm Survey

National Weather Service and Morgan County EMA officials determined the damage near the Hartselle area was caused by thunderstorm winds. Damage was first observed on Mayfield Road where one softwood tree was snapped and laying across the road. Damage was then observed approx. 0.7 miles to the east near the intersection of Blackwood Dr. and Kaylee Loop. Damage indicators included roof and siding damage to small farm buildings. Debris from the buildings were blown approx. 100 yards across Blackwood Dr. There was minor evidence near the Blackwood Dr. damage that would indicate a small tornado or mesovortex, but the damage assessment determined winds were below EF-0 criteria.

MORGAN COUNTY --- 2.1 N MT TABOR [34.46, -86.87]				
	02/08/17 19:15 CST		0	Thunderstorm Wind (EG 52 kt)
	02/08/17 19:15 CST		0	Source: Broadcast Media

A barn and shed were destroyed and power lines were knocked down on Blackwood Drive. Time estimated by radar.

MORGAN COUNTY --- 2.1 NNE MT TABOR [34.46, -86.86]				
	02/08/17 19:16 CST		0	Thunderstorm Wind (EG 52 kt)
	02/08/17 19:16 CST		0	Source: Broadcast Media

In the Falkville and New Center areas, siding was blown off, sheds were knocked down, underpinning was torn from mobile homes and hail damage was reported. Relayed through social media. Time estimated by radar.

MORGAN COUNTY --- 2.1 NNW MT TABOR [34.46, -86.88]				
	02/08/17 19:16 CST		0	Thunderstorm Wind (EG 52 kt)
	02/08/17 19:16 CST		0	Source: Emergency Manager

Trees knocked down at end of roadway.

MORGAN COUNTY --- 2.1 SSE MT TABOR [34.40, -86.86]				
	02/08/17 19:16 CST		0	Thunderstorm Wind (EG 52 kt)
	02/08/17 19:16 CST		0	Source: Emergency Manager

Trees were knocked down.

MORGAN COUNTY --- 2.2 NW GANDYS COVE [34.39, -86.85]				
	02/08/17 19:16 CST		0	Thunderstorm Wind (EG 52 kt)
	02/08/17 19:16 CST		0	Source: Emergency Manager

Trees were knocked down into the roadway.

MORGAN COUNTY --- 1.3 ENE PENN [34.36, -87.05]				
	02/08/17 19:17 CST		0	Hail (1.00 in)
	02/08/17 19:17 CST		0	Source: Public

Quarter-sized hail was reported.

MORGAN COUNTY --- 0.7 S DANVILLE [34.41, -87.08]				
	02/08/17 19:20 CST		0	Hail (0.75 in)
	02/08/17 19:20 CST		0	Source: Public

Penny-sized hail was reported near Danville.

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MORGAN COUNTY --- 1.8 NE PRICEVILLE [34.39, -86.86]				
	02/08/17 19:24 CST		0	Hail (0.88 in)
	02/08/17 19:24 CST		0	Source: Broadcast Media
Hail up to nickel-sized covered the ground, in some spots up to two inches deep.				
Supercells erupted during the early evening hours along a cold front. The storms produced some hail and wind damage in parts of north central Alabama.				
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LIMESTONE COUNTY --- 0.9 NE PETTUSVILLE [34.98, -86.94]				
	02/24/17 22:24 CST		0	Hail (0.88 in)
	02/24/17 22:24 CST		0	Source: Trained Spotter
Nickel-sized hail was reported along Highway 127 north of Elkmont. Minor damage to cars was reported.				
Thunderstorms produced a few small hail reports up to the size of nickels in north Alabama.				
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ALABAMA, Southeast				
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GENEVA COUNTY --- HARTFORD [31.10, -85.69]				
	02/07/17 16:12 CST		10K	Thunderstorm Wind (EG 55 kt)
	02/07/17 16:12 CST		0	Source: Law Enforcement
Multiple power lines were blown down in Hartford.				
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GENEVA COUNTY --- SLOCOMB [31.10, -85.59], MALVERN [31.13, -85.51]				
	02/07/17 16:15 CST		0.25M	Thunderstorm Wind (EG 74 kt)
	02/07/17 16:22 CST		0	Source: Broadcast Media
Several houses and businesses were damaged in a swath from the Slocomb to Malvern area. There were numerous trees and power lines blown down, including some on houses. Winds were estimated at around 85 mph. Damage cost was estimated.				
After a very active January, another strong system moved through the tri-state region on February 7th. Although no tornadoes were reported, there were numerous reports of trees and power lines blown down.				
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ALABAMA, Southwest				
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MOBILE COUNTY --- SATSUMA [30.85, -88.07]				
	02/07/17 13:33 CST		2K	Thunderstorm Wind (EG 61 kt)
	02/07/17 13:35 CST		0	Source: Social Media
Winds estimated at 70 mph snapped a large tree.				
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BALDWIN COUNTY --- 6.0 SW BAY MINETTE [30.82, -87.85]				
	02/07/17 13:50 CST		2K	Thunderstorm Wind (EG 52 kt)
	02/07/17 13:52 CST		0	Source: Social Media
Winds estimated at 60 mph downed trees on County Road 39.				
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BALDWIN COUNTY --- ELBERTA [30.42, -87.60]				
	02/07/17 14:50 CST		0	Hail (1.00 in)
	02/07/17 14:52 CST		0	Source: Public
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COVINGTON COUNTY --- 1.4 NE ANDALUSIA [31.31, -86.46], 1.8 NE ANDALUSIA [31.31, -86.45]				
	02/07/17 15:23 CST		0.10M	Tornado (EF0, L: 0.51 mi , W: 150 yd)
	02/07/17 15:24 CST	1	0	Source: NWS Storm Survey

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A tornado moved across an area on the east side of Andalusia which affected two residential areas and a campground. The tornado caused shingle damage to several roofs, downed several trees, and overturned several campers and RVs. One individual suffered minor injuries. Damage also occurred to a large metal storage building at the Covington County Water Authority. Numerous water pipes from the water facility were tossed by the tornado.

BALDWIN COUNTY --- 3.0 NNE GULF SHRS [30.32, -87.66]

	02/07/17 15:55 CST		0	Thunderstorm Wind (MG 51 kt)
	02/07/17 15:55 CST		0	Source: ASOS

MOBILE COUNTY --- DAUPHIN IS [30.25, -88.12]

	02/07/17 16:00 CST		0	Hail (1.75 in)
	02/07/17 16:02 CST		0	Source: Law Enforcement

Severe thunderstorms rapidly developed ahead of an approaching strong cold front. Thunderstorms produced large hail, damaging winds and a tornado.