

Storm Data and Unusual Weather Phenomena - December 2013

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

CLAY COUNTY --- 1.2 NNW LINEVILLE [33.34, -85.75], 0.6 NNW LINEVILLE [33.33, -85.75], 0.6 N LINEVILLE [33.33, -85.75], 1.3 N LINEVILLE [33.34, -85.75]	12/22/13 11:20 CST	0	0	Flood (due to Heavy Rain)
	12/22/13 12:20 CST	0	0	Source: Emergency Manager

Alabama Highway 49 was closed between mile markers 68 and 70 due to heavy rain producing flooding. Storm total accumulations in the county were at least 5.3 inches.

ELMORE COUNTY --- 5.9 ESE MAN [32.46, -86.18], 6.0 ESE MAN [32.46, -86.18], 6.0 ESE MAN [32.46, -86.18], 6.0 ESE MAN [32.46, -86.18]	12/22/13 17:50 CST	0	0	Flood (due to Heavy Rain)
	12/23/13 07:00 CST	0	0	Source: Emergency Manager

Old Rifle Range Road was closed at Redland Road due to water over the roadway. Cooters Pond Road in extreme western Elmore County and the 3300 block of Jug Factory Road in central Elmore County were also impassable and closed due to flooding. Rainfall amounts of at least 3.5 inches were reported in the county.

MONTGOMERY COUNTY --- 3.4 NW PINEDALE [32.33, -86.28], 3.1 NW PINEDALE [32.33, -86.27], 2.5 NW PINEDALE [32.33, -86.26], 2.9 NW PINEDALE [32.33, -86.26]	12/22/13 19:30 CST	0	0	Flood (due to Heavy Rain)
	12/23/13 07:00 CST	0	0	Source: Emergency Manager

Approximately 12 hours of moderate to heavy rainfall fell over the city of Montgomery. This led to several cars being inundated with water at an apartment complex off of Southern Boulevard. Other cars become disabled on Landsdowne Drive. Rainfall measurements of at least 4.6 inches were recorded in the county.

AUTAUGA COUNTY --- 3.4 SE PRATTMONT [32.43, -86.42], 3.4 SE PRATTMONT [32.43, -86.42], 3.4 SE PRATTMONT [32.43, -86.42], 3.4 SE PRATTMONT [32.43, -86.42]	12/22/13 20:30 CST	0	0	Flood (due to Heavy Rain)
	12/23/13 07:00 CST	0	0	Source: Emergency Manager

Candlestick Way in extreme southeastern Autauga County became impassable due to several hours of rainfall. At least 3.5 inches was reported in the county.

TALLAPOOSA COUNTY --- 1.5 SSE EAST TALLASEE [32.51, -85.87], 1.7 SSE EAST TALLASEE [32.51, -85.86], 1.7 SE EAST TALLASEE [32.51, -85.86], 1.4 SSE EAST TALLASEE [32.51, -85.87]	12/22/13 20:35 CST	0	0	Flood (due to Heavy Rain)
	12/23/13 07:00 CST	0	0	Source: Emergency Manager

Ashurst Bar Road was impassable at the intersection of Wall Street due to up to 8 inches of water covering the road. Accumulated rainfall amounts of at least 4.2 inches were reported in the county.

A boundary moved slowly across the state of Alabama before stalling just south of the Interstate 85 corridor on December 22nd. Several upper level disturbances also moved across the area, which helped to enhance the lift. This, along with an abundance of moisture, led to a prolonged period of heavy rainfall across the southern and eastern portions of Central Alabama. Much of the heaviest rain moved over the same areas, and up to 5 inches of rain was reported in several locations. Due to the longevity of the rain mass, several locations experienced flooding problems.

ALABAMA, North

(AL-Z006) MADISON	12/10/13 04:00 CST	0	0	Winter Weather
	12/10/13 06:00 CST	0	0	

A band of light freezing drizzle and rain developed during the pre-dawn hours in the higher elevations of Madison County, Alabama. Up to a tenth of an inch of ice accumulated on elevated surfaces.

(AL-Z001) LAUDERDALE, (AL-Z004) LAWRENCE, (AL-Z007) MORGAN

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	12/21/13 20:37 CST		8K	Strong Wind (MAX 43 kt)
	12/21/13 22:12 CST		0	

COLBERT COUNTY --- 3.0 SSE RIVERTON [34.84, -88.06], 3.1 NW MARGERUM [34.80, -88.11]

12/21/13 20:55 CST	2K	Thunderstorm Wind (EG 43 kt)
12/21/13 21:00 CST	0	Source: Emergency Manager

A tree was downed by thunderstorm winds on Riverton Rose Trail and on Snow Road.

LAUDERDALE COUNTY --- 4.0 E WATERLOO [34.92, -88.00]

12/21/13 20:58 CST	0	Thunderstorm Wind (MG 55 kt)
12/21/13 20:59 CST	0	Source: Mesonet

CWOP Station DW9506 reported a wind gust at 63 mph.

LAUDERDALE COUNTY --- WATERLOO [34.92, -88.07]

12/21/13 21:34 CST	10K	Thunderstorm Wind (EG 52 kt)
12/21/13 21:39 CST	0	Source: Emergency Manager

Several trees were downed by thunderstorm winds along County Road 14.

LAUDERDALE COUNTY --- 1.0 ESE LEXINGTON [34.96, -87.35]

12/21/13 22:12 CST	1K	Thunderstorm Wind (EG 43 kt)
12/21/13 22:17 CST	0	Source: Emergency Manager

A tree was downed by thunderstorm winds on East Avenue/or County Road 497.

MADISON COUNTY --- 2.0 S NEW HOPE [34.50, -86.40]

12/22/13 01:35 CST	5K	Thunderstorm Wind (EG 52 kt)
12/22/13 01:35 CST	0	Source: Emergency Manager

Thunderstorm winds resulted in a roof being peeled back from a mobile home along Scott Branch Road.

MADISON COUNTY --- 3.0 ESE MERIDIANVILLE [34.83, -86.52], 1.1 S MOORES MILL [34.83, -86.52], 1.1 S MOORES MILL [34.83, -86.52], 1.2 S MOORES MILL [34.83, -86.52]

12/22/13 02:15 CST	0	Flash Flood (due to Heavy Rain)
12/22/13 03:30 CST	0	Source: Law Enforcement

Heavy rain caused flash flooding to occur with around a foot of water over the road at the intersection of Moores Mill Road and Darwin Road.

A quasi-linear convective system (QLCS) developed over the lower Mississippi Valley and tracked eastward into the Tennessee Valley during the evening and overnight hours of the 21st into the 22nd. Ahead of the line, windy conditions developed with south winds gusting to over 40 mph at times. A few reports of tree damage resulted from these winds. The thunderstorms and showers produced strong winds at times, producing a few reports of tree damage as well. Rainfall of 1 to 2 inches were common across the entire area. As the band of heavier showers and storms slowed down over north central Alabama, rainfall amounts increased to over 3 inches in parts of the Huntsville metro area causing localized flash flooding in a couple of poor drainage locations. Small creeks and streams experienced rapid rises for a short time period, but no significant river flooding was reported.