

Storm Data and Unusual Weather Phenomena - October 2012

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

ALABAMA, Central

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|---|--------------------|--|---|---------|
| (AL-Z021) CLEBURNE, (AL-Z028) CLAY, (AL-Z029) RANDOLPH, (AL-Z036) COOSA, (AL-Z037) TALLAPOOSA, (AL-Z038) CHAMBERS, (AL-Z043) ELMORE, (AL-Z044) MONTGOMERY, (AL-Z045) MACON, (AL-Z046) BULLOCK, (AL-Z047) LEE, (AL-Z048) RUSSELL, (AL-Z050) BARBOUR | | | | |
| | 10/01/12 00:00 CST | | 0 | Drought |
| | 10/31/12 23:59 CST | | 0 | |

Very little rainfall fell across the southeast portions of Central Alabama during the month of October. Most locations in the drought stricken area received less than 2 inches of rainfall during the entire month, causing the drought conditions to continue. In areas outside of the drought, an average of 2 to 3 inches of rainfall occurred, with isolated locations receiving up to 5 inches of rain.

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|---|--------------------|--|---|---------|
| (AL-Z019) CALHOUN, (AL-Z027) TALLADEGA | | | | |
| | 10/01/12 00:00 CST | | 0 | Drought |
| | 10/02/12 23:59 CST | | 0 | |

During the last part of September, up to 4 inches of rainfall fell across the central portions of Central Alabama. This helped drought conditions in this area. Drought conditions ended for Talladega and Calhoun counties at the beginning of October, and up to 4 inches of rainfall that fell during the rest of the month, helped to keep those counties below the drought criteria.

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| COOSA COUNTY --- 1.0 SW PENTONVILLE [32.81, -86.24], 0.5 SW PENTONVILLE [32.82, -86.24] | | | | |
| | 10/01/12 03:47 CST | | 0 | Tornado (EF0, L: 0.52 mi , W: 150 yd) |
| | 10/01/12 03:49 CST | | 0 | Source: NWS Storm Survey |

The tornado initially touched down just east of County Road (CR) 45 south of Shady Grove church in a thin stand of trees between the road and a pasture. It proceeded to the north-northeast at about 30 mph, uprooting trees in a convergent pattern in the vicinity of Shady Grove cemetery. It uprooted 3 large pines as it crossed CR 14, then damaging a small barn and out buildings due to uprooted oak trees before moving into a heavily wooded area. Large hardwood trees were uprooted sporadically along the path, with one area of concentrated damage deep in the woods. The tornado then weakened rapidly and dissipated over wooded land before the thunderstorm crossed CR 8. A debris signature on radar helped to determine the location of the path. The tornado was rated an EF-0, with maximum winds of 85 mph.

Low pressure at the surface and aloft progressed northeastward, with a cold front trailing to the south. A warm front lifted from the Gulf of Mexico and stalled across central Alabama. Storms developed and moved across this warm front, where there was enough lift and shear to support an isolated and brief tornado to develop.

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|--|--------------------|--|---|---------------------------------------|
| JEFFERSON COUNTY --- 2.2 SW GREENWOOD [33.31, -86.96], 2.0 SW GREENWOOD [33.31, -86.95] | | | | |
| | 10/14/12 23:18 CST | | 0 | Tornado (EF0, L: 0.25 mi , W: 200 yd) |
| | 10/14/12 23:19 CST | | 0 | Source: NWS Storm Survey |

An EF-0 tornado touched down just west of the Bessemer Airport and just east of Paradise Lane and County Road 6. The tornado moved to the east-northeast, just south of County Road 6, where a few trees were snapped. The tornado lifted just to east of Lindsey Drive. A debris signature on radar helped to determine the location of the path. Maximum sustained winds were estimated to be 65 mph.

An upper level trough over the Ohio Valley and associated weak cold front caused thunderstorms to develop over Mississippi during the late afternoon. These storms moved into central Alabama during the evening and overnight hours. There was just enough wind shear for an isolated tornado to form just after midnight.

ALABAMA, North

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|--|--------------------|--|----|---------------------------|
| LIMESTONE COUNTY --- ATHENS [34.80, -86.98] | | | | |
| | 10/12/12 10:45 CST | | 5K | Lightning |
| | 10/12/12 10:45 CST | | 0 | Source: Emergency Manager |

Lightning struck a home in the Indian Trace neighborhood near Athens and produced minor damage to the residence.

A thunderstorm produced minor lightning damage at a residence in Limestone County, AL.

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|--|--------------------|--|---|--------------|
| (AL-Z003) FRANKLIN, (AL-Z006) MADISON, (AL-Z009) JACKSON, (AL-Z010) DEKALB, (AL-Z016) CULLMAN | | | | |
| | 10/31/12 00:00 CST | | 0 | Frost/Freeze |
| | 10/31/12 08:00 CST | | 0 | |

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Low temperatures ranged from the upper 20s to lower 30s at several locations across northern Alabama on the morning of the 31st.

ALABAMA, Southeast

(AL-Z067) HENRY

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| 10/01/12 00:00 EST | 0 | Drought |
| 10/31/12 23:59 EST | 0 | |

D2 drought conditions continued through October and into November across northeastern Henry county.