

Storm Data and Unusual Weather Phenomena - February 2010

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

(AL-Z020) CHEROKEE, (AL-Z021) CLEBURNE, (AL-Z029) RANDOLPH, (AL-Z030) SUMTER, (AL-Z037) TALLAPOOSA, (AL-Z038) CHAMBERS, (AL-Z039) MARENGO, (AL-Z040) DALLAS, (AL-Z041) AUTAUGA, (AL-Z042) LOWNDES, (AL-Z043) ELMORE, (AL-Z044) MONTGOMERY, (AL-Z045) MACON, (AL-Z046) BULLOCK, (AL-Z047) LEE, (AL-Z049) PIKE, (AL-Z050) BARBOUR

02/12/10 05:00 CST	0	Heavy Snow
02/12/10 18:00 CST	0	

(AL-Z017) BLOUNT, (AL-Z018) ETOWAH, (AL-Z019) CALHOUN, (AL-Z023) TUSCALOOSA, (AL-Z024) JEFFERSON, (AL-Z025) SHELBY, (AL-Z026) ST. CLAIR, (AL-Z027) TALLADEGA, (AL-Z028) CLAY, (AL-Z031) GREENE, (AL-Z032) HALE, (AL-Z033) PERRY, (AL-Z034) BIBB, (AL-Z035) CHILTON, (AL-Z036) COOSA, (AL-Z048) RUSSELL

02/12/10 11:00 CST	0	Winter Weather
02/12/10 19:00 CST	0	

A low pressure system moving across the northern Gulf of Mexico brought a swath of snow to a large portion of Central Alabama. The highest snowfall amounts were in the eastern and southern sections of Central Alabama, with 3 to as much as 7 inches of snow reported in these areas. The snow caused numerous businesses and schools to close, and created hazardous travel across a large portion of the area.

JEFFERSON COUNTY --- 1.7 NNW CAHABA HGTS [33.47, -86.74]

02/22/10 00:15 CST	50K	Lightning
02/22/10 00:15 CST	0	Source: Newspaper

Lightning was the suspected cause of a house fire on Locksley Road, in Mountain Brook. The fire destroyed the home's roof, and caused considerable damage to the attic and other areas of the home.

A cold front pushing through the area caused a few thunderstorms across Central Alabama. At least one storm caused lightning that struck a house.

ALABAMA, North

(AL-Z010) DEKALB

02/05/10 03:38 CST	25K	High Wind (MAX 52 kt)
02/05/10 07:30 CST	0	

LAUDERDALE COUNTY --- 1.9 ESE LEXINGTON [34.96, -87.34], 2.0 ESE LEXINGTON [34.96, -87.34], 2.1 ESE LEXINGTON [34.96, -87.34], 2.0 ESE LEXINGTON [34.96, -87.34]

02/05/10 10:38 CST	18K	Flood (due to Heavy Rain)
02/05/10 16:38 CST	0	Source: Emergency Manager

Heavy rainfall caused a stream to overflow its banks and close CR 502 in Lexington.

LAUDERDALE COUNTY --- 1.9 SSE ANDERSON [34.90, -87.26], 2.0 SSE ANDERSON [34.89, -87.25], 2.1 SSE ANDERSON [34.89, -87.26], 2.0 SSE ANDERSON [34.89, -87.26]

02/05/10 11:05 CST	0	Flood (due to Heavy Rain)
02/05/10 17:05 CST	0	Source: Emergency Manager

Heavy rainfall caused water from a stream to close CR 534 in Anderson.

LAUDERDALE COUNTY --- 2.2 NNW ANTIOCH [34.93, -87.48], 2.0 N ANTIOCH [34.93, -87.48], 1.8 NNW ANTIOCH [34.93, -87.48], 2.1 NNW ANTIOCH [34.93, -87.48]

02/05/10 11:20 CST	0	Flood (due to Heavy Rain)
02/05/10 17:20 CST	0	Source: Emergency Manager

Heavy rainfall caused a stream to go over its banks and close CR 31 in Green Hill.

Strong lift and abundant moisture north of a surface low in the northern Gulf of Mexico near the southeastern tip of Louisiana increased on the night of the 4th into the early morning hours on the 5th. This produced around 2 inches of rainfall in eastern Lauderdale and most of Lawrence county. Falling on fairly saturated ground, the runoff from this precipitation produced stream and creek flooding in

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Lauderdale county.

Also, a strong pressure gradient associated with this low pressure system produced wind gusts around 50 mph in De Kalb county, knocking down numerous trees along CR 89 near Mentone and Desoto State Park.

(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z005) LIMESTONE, (AL-Z006) MADISON

02/08/10 04:15 CST	0	Winter Storm
02/08/10 10:30 CST	0	

(AL-Z004) LAWRENCE, (AL-Z009) JACKSON

02/08/10 05:00 CST	0	Winter Weather
02/08/10 11:00 CST	0	

A narrow 20 to 30 mile wide band of snowfall developed during the pre-dawn hours of the 8th moving into far northwestern Alabama, then spreading eastward across far northern Alabama. Snow fell at a moderate pace at times, lowering visibility to 1/2 to 3/4 mile at times with very large clumped snowflakes reported. Snowfall accumulations of 2 to 3 inches were reported in this band, with isolated amounts of 4 to 5 inches reported in eastern Lauderdale County. Snow covered and slushy roads developed rapidly during the morning hours, but improved greatly as temperatures climbed well above freezing during the day along with some rainfall. Several school systems closed between 10 am and 11 am in the morning.

(AL-Z007) MORGAN, (AL-Z009) JACKSON, (AL-Z016) CULLMAN

02/12/10 07:00 CST	0	Winter Weather
02/12/10 15:30 CST	0	

(AL-Z008) MARSHALL, (AL-Z010) DEKALB

02/12/10 07:30 CST	0	Heavy Snow
02/12/10 16:10 CST	0	

A winter storm and low pressure system tracked eastward across the central Gulf of Mexico. Moisture flow well north and northwest of the low track resulted in an unseasonable and in some cases record setting snowfall in parts of the deep South. Although not records, snowfall amounts of 1 to 3 inches were reported during the daytime hours in a swath from northern central through northeast Alabama, mainly southeast of a line from Huntsville to Hartselle. Some accidents due to the slick conditions were reported.

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

02/14/10 06:00 CST	0	Winter Weather
02/14/10 11:30 CST	0	

Snow showers developed in a warm advection zone during the early morning hours on the 14th. The snow showers mixed at times with rainfall before changing to all rain by late morning. Quick bursts of moderate to heavy snow were reported resulting in isolated accumulation of up to 2 inches in portions of northeast Alabama. Some accidents due to the slick conditions were reported.

(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

02/15/10 00:00 CST	0	Winter Weather
02/15/10 05:00 CST	0	

Rain changed to snow after midnight on the 15th bringing a 2 to 4 hour period of light to moderate snowfall. Snowfall amounts ranged from a few tenths of an inch up to 2 inches. Some accidents were reported due to icy conditions.

(AL-Z001) LAUDERDALE, (AL-Z006) MADISON, (AL-Z007) MORGAN, (AL-Z008) MARSHALL

02/15/10 12:35 CST	0	Winter Weather
02/16/10 08:30 CST	0	

Snow showers developed during the afternoon hours beneath a strong upper level system. The showers deposited total snow amounts of a quarter to one half inch in some areas. Flurries and light snow showers continued during the overnight hours on the 15th into the morning hours of the 16th. An additional wave of snow showers developed around 6 am on the 16th. Northwest flow across Lake Wheeler produced some enhanced snowfall atop Brindley mountain in eastern Morgan and Marshall Counties where up to an inch was reported. Numerous wrecks were reported due to the slick conditions.

FRANKLIN COUNTY --- 1.8 WSW WACO [34.47, -87.68]

02/21/10 21:55 CST	0.50K	Thunderstorm Wind (EG 52 kt)
02/21/10 22:00 CST	0	Source: Emergency Manager

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Thunderstorm winds blew a shed over on a property along CR 144 southeast of Russellville.

A cluster of high based supercell thunderstorms tracked eastward into northwest Alabama during the evening hours. One of the storms developed a moderate intensity mesocyclone which evolved into a small bow echo with isolated damaging wind. Prolific lightning was also reported across northwest and north central Alabama with these thunderstorms. Telephone outages were also reported in northwest Alabama due to lightning.

ALABAMA, Southeast

(AL-Z065) COFFEE, (AL-Z066) DALE, (AL-Z067) HENRY, (AL-Z068) GENEVA, (AL-Z069) HOUSTON

02/12/10 06:00 EST	0	Heavy Snow
02/13/10 06:00 EST	0	

A rare snow event developed over the region through the day on the 12th with maximum snow totals from 4-7" from Coffee Co., AL into Terrell Co., GA. Measurable snowfall (1-1.5") also was observed from Walton/Holmes Co., FL into Berrien Co., GA.

DALE COUNTY --- 5.0 E ECHO [31.47, -85.37]

02/22/10 06:00 CST	5K	Lightning
02/22/10 06:00 CST	0	Source: Newspaper

Echo county volunteer firefighters responded to a lightning caused house fire on Dale County Road 36. The three story home was saved.

Early morning thunderstorms damaged a Dale county, AL residence with a lightning strike.

ALABAMA, Southwest

CHOCTAW COUNTY --- BUTLER [32.08, -88.22], 0.6 NNW BUTLER [32.09, -88.22], 0.6 NNE BUTLER [32.09, -88.22], 0.3 ENE BUTLER [32.08, -88.22]

02/04/10 21:30 CST	0	Flash Flood (due to Heavy Rain)
02/04/10 22:30 CST	0	Source: Emergency Manager

Rainfall amounts in excess of 4 inches caused widespread street flooding in Butler.

Rainfall amounts in excess of 4 inches in less than an hour caused widespread street flooding in Choctaw county.

(AL-Z052) WASHINGTON, (AL-Z053) CLARKE, (AL-Z054) WILCOX, (AL-Z055) MONROE, (AL-Z056) CONECUH, (AL-Z057) BUTLER, (AL-Z058)

CRENSHAW, (AL-Z059) ESCAMBIA, (AL-Z060) COVINGTON, (AL-Z061) UPPER MOBILE, (AL-Z062) UPPER BALDWIN

02/12/10 00:00 CST	0	Winter Storm
02/12/10 14:52 CST	0	

An area of low pressure moved across the northern Gulf of Mexico and passed to the south of the Mobile area. Heavy rain changed over to snow across portions of the central gulf coast as the low moved to the east. Snowfall accumulations ranged from a dusting along the I-10 corridor to as much as 5 inches across portions of interior southwest Alabama.