

Storm Data and Unusual Weather Phenomena - November 2011

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

(AL-Z021) CLEBURNE, (AL-Z025) SHELBY, (AL-Z027) TALLADEGA, (AL-Z028) CLAY, (AL-Z029) RANDOLPH, (AL-Z033) PERRY, (AL-Z034) BIBB, (AL-Z035) CHILTON, (AL-Z036) COOSA, (AL-Z037) TALLAPOOSA, (AL-Z038) CHAMBERS, (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-Z048) RUSSELL, (AL-Z049) PIKE, (AL-Z050) BARBOUR

11/01/11 00:00 CST	0	Drought
11/30/11 23:59 CST	0	

Below average rainfall persisted through the first part of November offering no relief to drought stricken areas. The most severe drought conditions were located in east-central and southeast sections of central Alabama. Periodic rainfall during the second part of November brought some relief to drought conditions, however all locations that began the month in drought, ended the month in drought as well.

(AL-Z023) TUSCALOOSA, (AL-Z032) HALE

11/08/11 00:00 CST	0	Drought
11/29/11 23:59 CST	0	

Below normal rainfall during the first part of November brought little relief to drought conditions, causing Severe (D2) conditions to spread. On November 8th, Hale County and Tuscaloosa County began to experience Severe (D2) drought conditions. However, ample rainfall during the second half of the month brought much relief to the area and both counties were removed from the drought.

SUMTER COUNTY --- 3.0 N PERSIMMON GROVE [32.36, -88.09], 3.9 SSW MOSCOW [32.38, -88.07]

11/16/11 07:07 CST	0.20M	Tornado (EF2, L: 1.50 mi , W: 600 yd)
11/16/11 07:09 CST	1	Source: NWS Storm Survey

A tornado touched down in Whitfield and moved to the northeast. Along its path, approximately 150 softwood trees were snapped, 50 hardwood trees were uprooted, and five outbuildings were damaged. Six homes and one double wide mobile home were also damaged. One home along County Road 42 was destroyed causing 1 injury.

MARENGO COUNTY --- 2.7 S SHORTLEAF [32.48, -87.86], 1.2 S SPOCARI [32.50, -87.82]

11/16/11 07:32 CST	0.30M	Tornado (EF0, L: 2.75 mi , W: 250 yd)
11/16/11 07:36 CST	0	Source: NWS Storm Survey

A tornado briefly touched down in Demopolis along Maria Ave and moved northeast crossing Jefferson Road. Approximately 20 homes in the Edgewood Subdivision sustained minor roof damage. Several business signs along US Highway 80 were blown down and the Central Farmers COOP sustained significant structural damage as a portion of its roof was removed. The tornado lifted along US Highway 80, east of US Highway 43.

LOWNDES COUNTY --- 3.6 SSW LOWNDESBORO [32.23, -86.65]

11/16/11 10:33 CST	1K	Thunderstorm Wind (EG 65 kt)
11/16/11 10:33 CST	0	Source: NWS Storm Survey

A large tree was snapped along Alabama Highway 97, just south of U.S. Highway 80.

LOWNDES COUNTY --- 1.2 E HAYNEVILLE [32.18, -86.58]

11/16/11 10:40 CST	5K	Thunderstorm Wind (EG 50 kt)
11/16/11 10:40 CST	0	Source: Emergency Manager

Several trees were reported down with numerous power outages in Hayneville.

LOWNDES COUNTY --- 3.6 S MANACK [32.28, -86.51]

11/16/11 10:43 CST	2K	Thunderstorm Wind (EG 52 kt)
11/16/11 10:43 CST	0	Source: NWS Storm Survey

Several small trees were uprooted along County Road 37, north of U.S. Highway 80. A large amount of tree debris was also noted in the area.

MONTGOMERY COUNTY --- 2.4 SW MONTGOMERY [32.35, -86.32]

11/16/11 11:01 CST	2K	Thunderstorm Wind (EG 52 kt)
11/16/11 11:01 CST	0	Source: NWS Storm Survey

A store sign was blown out along Fairview Avenue.

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MONTGOMERY COUNTY --- 1.8 SSE MONTGOMERY [32.36, -86.29]				
	11/16/11 11:02 CST		2K	Thunderstorm Wind (EG 52 kt)
	11/16/11 11:02 CST		0	Source: NWS Storm Survey
Several trees down in the Cloverdale area.				
MONTGOMERY COUNTY --- 1.4 S CHISHOLM [32.38, -86.25]				
	11/16/11 11:06 CST		2K	Thunderstorm Wind (EG 52 kt)
	11/16/11 11:06 CST		0	Source: NWS Storm Survey
Minor roof damage to Goodwyn Middle School.				
MONTGOMERY COUNTY --- 2.1 ESE CHISHOLM [32.39, -86.22], 1.9 SE KILBY [32.40, -86.21]				
	11/16/11 11:08 CST		0.50M	Tornado (EF1, L: 0.88 mi , W: 75 yd)
	11/16/11 11:10 CST		0	Source: NWS Storm Survey
A tornado touched down near the Alabama Christian Academy Football field in Montgomery, where a large pine tree snapped and collapsed a section of bleachers. The scorebored on the nearby Faulkner University baseball field also collapsed. The tornado continued northeastward crossing Wares Ferry Road, where several homes sustained minor roof damage. Farther to the northeast, the most widespread damage occurred at the Sunshine Valley Mobile Home Park, where numerous mobile homes sustained minor to moderate roof damage or the underpinning was blown out. Small outbuildings and sheds were also blown over in this area, and trees were snapped or uprooted. One large pine tree was uprooted and crushed a vehicle. From there the tornado crossed US Highway 231 and struck Adam's Motorsports, where a section of metal roof was peeled back. The tornado lifted just northeast of Adam's Motorsports.				
MONTGOMERY COUNTY --- 1.9 NW MITYLENE [32.40, -86.20]				
	11/16/11 11:10 CST		2K	Thunderstorm Wind (EG 52 kt)
	11/16/11 11:10 CST		0	Source: NWS Storm Survey
Several trees were blown down between Dunbarton Road and N. Burbank Drive, north of County Road 64.				
ELMORE COUNTY --- 3.2 ENE WARE [32.47, -86.00]				
	11/16/11 11:27 CST		2K	Thunderstorm Wind (EG 52 kt)
	11/16/11 11:27 CST		0	Source: Emergency Manager
Several trees were reported down across Rigsby Road just south of Rifle Range Road.				
MACON COUNTY --- 0.6 W SHORTER [32.40, -85.94]				
	11/16/11 11:32 CST		2K	Thunderstorm Wind (EG 50 kt)
	11/16/11 11:32 CST		0	Source: Emergency Manager
Several trees were reported down near Shorter.				
TALLAPOOSA COUNTY --- 0.6 W REELTOWN [32.60, -85.81]				
	11/16/11 11:39 CST		2K	Thunderstorm Wind (EG 50 kt)
	11/16/11 11:39 CST		0	Source: Emergency Manager
Several trees were reported down in Reeltown.				
MACON COUNTY --- 2.4 SSE NOTASULGA [32.54, -85.66], 2.6 ESE NOTASULGA [32.55, -85.63]				
	11/16/11 11:52 CST		0.50M	Tornado (EF1, L: 2.01 mi , W: 700 yd)
	11/16/11 11:57 CST		0	Source: NWS Storm Survey
A tornado touched down in northeast Macon County south of Notasulga, east of County Road 81, along County Road 59. The tornado moved to the northeast, causing extensive tree damage. Approximately a dozen mobile homes sustained damage along County Road 54, before the tornado crossed into Lee County, south of Hunter Road.				
LEE COUNTY --- 4.3 SW LOACHAPOKA [32.55, -85.63], 0.8 ESE JESTER [32.70, -85.12]				
	11/16/11 11:57 CST		4M	Tornado (EF1, L: 31.38 mi , W: 700 yd)
	11/16/11 12:35 CST	2	0	Source: NWS Storm Survey

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A tornado initially touched down in Macon County Alabama and crossed into Lee County approximately 1 mile southwest of Lee Road 3. It continued its northeastward path causing extensive tree damage across western Lee County. Dozens of houses and mobile homes on the western side of Auburn were heavily damaged due to falling trees. Several residences were destroyed. One female and one child were injured when trees fell on a mobile home. Significant damage was also noted in the Terrace Acres neighborhood, where homes were heavily damaged from falling trees. The tornado crossed the southern edge of Auburn University's campus and caused damage to the baseball facilities at Auburn High School and nearby homes. The tornado crossed interstate 85 at US highway 280 and continued moving to the northeast toward Lake Harding. Along the lake, extensive tree damage and damage to numerous homes and boathouses occurred. Several residences were destroyed or sustained complete roof loss. The tornado continued into Harris County Georgia (See November Storm Data from WFO Peachtree City).

Several waves of thunderstorms affected Central Alabama on Wednesday, November 16. The airmass ahead of a slow-moving, strong cold front became increasingly moist and unstable during the early morning hours. Rotating supercells within several broken lines of thunderstorms began producing damage just after sunrise in west Central Alabama. Isolated damage continued across the southern portion of the area through the early afternoon. In addition to damage across portions of Alabama, this storm system produced damage from Eastern Texas to the Atlantic Coast.

MONTGOMERY COUNTY --- 0.6 E (MGM)MONTGOMERY ARPT [32.30, -86.39]

11/22/11 16:58 CST	5K	Thunderstorm Wind (EG 40 kt)
11/22/11 16:58 CST	0	Source: Public

Very localized damage occurred at Dannelly Field, where a hangar door was pushed in, slightly damaging the aircraft inside. Also, a small aircraft sitting on the tarmac secured by chocks was wind-varned about 90 degrees.

A line of showers and thunderstorms formed well ahead of an approaching cold front on November 22nd. As the line of storms moved into an unstable airmass in southeast Central Alabama, strong thunderstorms developed, producing an isolated report of wind damage.

ALABAMA, North

(AL-Z002) COLBERT

11/12/11 10:00 CST	0	Wildfire
11/16/11 15:00 CST	0	

A wildfire began on the 12th near Courtland, Alabama. Windy and dry conditions that day allowed the fire to spread quickly. The fire began near County Roads 284 and 288. The fire came within a half mile of a dozen homes, but none were impacted. The fire was contained by the 15th, and rainfall on the 16th put out the remaining flames. The exact cause is under investigation.

LAWRENCE COUNTY --- 0.9 NE CHALYBEATE SPGS [34.58, -87.21]

11/16/11 08:27 CST	10K	Thunderstorm Wind (EG 52 kt)
11/16/11 08:30 CST	0	Source: Public

A roof was blown off of a porch at a residence. The lower awning from a mobile home was torn loose and nearby trees were knocked down.

MADISON COUNTY --- 0.6 SE NORMAL [34.77, -86.57], 1.8 NNW FLETCHER CHAPEL [34.76, -86.68]

11/16/11 09:07 CST	20K	Thunderstorm Wind (EG 61 kt)
11/16/11 09:10 CST	0	Source: Emergency Manager

Trees and power lines were knocked down in a swath from Oakwood University through the Rutledge Heights area, and across Jordan Lane to Meridian Street in northwest and north Huntsville.

MADISON COUNTY --- 1.3 ESE MONROVIA [34.76, -86.70]

11/16/11 09:15 CST	0	Thunderstorm Wind (EG 56 kt)
11/16/11 09:18 CST	0	Source: Amateur Radio

Thunderstorm wind gusts were estimated to be up to 65 mph in the Providence Main district.

MADISON COUNTY --- 1.9 NNW FLETCHER CHAPEL [34.76, -86.68]

11/16/11 09:15 CST	0	Thunderstorm Wind (MG 64 kt)
11/16/11 09:18 CST	0	Source: State Official

A 74 mph wind gust was measured at the 911 center in northwest Huntsville.

MADISON COUNTY --- 2.2 NW NORMAL [34.80, -86.61]

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	11/16/11 09:17 CST		2K	Thunderstorm Wind (EG 52 kt)
	11/16/11 09:20 CST		0	Source: Broadcast Media

A sign at Johnson High School was blown down at the intersection of Cecil Fain Drive and Winchester Road in northwest Huntsville. Time estimated.

A high shear-low CAPE (instability) environment supported the development of strong to severe thunderstorms during the morning hours across north Alabama. These storms were in advance of a sharp cold front dropping southeast. Ahead of the front, very moist air was flowing northward from the Gulf of Mexico with dew point temperatures climbing into the lower to mid 60s during the overnight hours of the 15th into the morning of the 16th. A broken line (QLCS) of thunderstorms moved rapidly eastward through northern Alabama after sunrise. One of the line segments in this system became strong to severe in Franklin moving into Lawrence County where the first report of damage was received. The storm produced a narrow downburst of damaging winds in northern Madison and northwest Huntsville in Madison County. A 74 mph wind gust was measured at the 911 center in Madison County. Trees and power lines were taken down in a narrow swath across northwest Huntsville.

DEKALB COUNTY --- 1.3 ESE HIGH PT [34.57, -85.58]

11/27/11 07:00 CST	0	Heavy Rain
11/28/11 07:00 CST	0	Source: Emergency Manager

A 24 hour rainfall of 5.22 inches was reported.

DEKALB COUNTY --- 1.3 ESE SYLVANIA [34.56, -85.81]

11/27/11 07:00 CST	0	Heavy Rain
11/28/11 07:00 CST	0	Source: CoCoRaHS

Rainfall of 3.76 inches was reported.

DEKALB COUNTY --- 3.3 SSE BEATY XRDS [34.66, -85.65], 3.4 SSE BEATY XRDS [34.66, -85.65], 3.4 SSW SULPHUR SPGS [34.66, -85.63], 3.3 SSW SULPHUR SPGS [34.66, -85.63]

11/28/11 10:00 CST	0	Flood (due to Heavy Rain)
11/28/11 16:00 CST	0	Source: Emergency Manager

Flooding on Town Creek prompted the closure of County Road 743 from County Road 117 to County Road 730.

DEKALB COUNTY --- 4.8 ESE RODENTOWN [34.21, -85.94], 4.2 ESE RODENTOWN [34.21, -85.95], 4.2 ESE RODENTOWN [34.21, -85.95], 5.0 ESE RODENTOWN [34.21, -85.94]

11/28/11 10:00 CST	0	Flood (due to Heavy Rain)
11/28/11 16:00 CST	0	Source: Emergency Manager

Flooding along Big Wills Creek prompted the closure of County Road 39 near County Road 227.

(AL-Z009) JACKSON

11/29/11 04:30 CST	20K	Landslide
11/29/11 04:35 CST	0	

MARSHALL COUNTY --- 1.7 SW ROCKY RIDGE [34.59, -86.30], 1.5 SW ROCKY RIDGE [34.58, -86.30], 1.9 SSW ROCKY RIDGE [34.58, -86.30], 2.4 SW ROCKY RIDGE [34.58, -86.31], 1.9 WSW ROCKY RIDGE [34.59, -86.31]

11/30/11 07:00 CST	0	Flood (due to Heavy Rain)
11/30/11 15:00 CST	0	Source: Emergency Manager

Mill and Snead Road was barricaded and closed due to flooding along the Paint Rock River. Time estimated.

A warm conveyor belt of heavy rainfall developed in advance of an intensifying upper level low which dumped from around 2 to over 5 inches of rain across the eastern two thirds of north Alabama and middle Tennessee. The highest rain amounts were recorded in Jackson and DeKalb Counties with 3 to 5 inches. The rain fell over 24 to 36 hour period, with rainfall remaining light to moderate during most its duration. The rainfall resulted in minor river flooding along the Little River, Big Wills Creek and Paint Rock River. A landslide occurred on Highway 35 just north of Section in Jackson County. A driver was trapped in his vehicle, but was rescued unharmed. Trees, boulders and debris blocked 100 to 250 yards of Highway 35.

(AL-Z001) LAUDERDALE, (AL-Z003) FRANKLIN, (AL-Z007) MORGAN, (AL-Z010) DEKALB

11/28/11 14:00 CST	0	Winter Weather
11/29/11 08:00 CST	0	

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

Storm Data and Unusual Weather Phenomena - November 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	11/28/11 20:00 CST		0	Heavy Snow
	11/29/11 08:00 CST		0	

An intense upper level low developed on the 28th at the base of a highly amplified upper trough across the Great Lakes and Mississippi Valley. The upper low closed off over the mid South and tracked northeast across the Tennessee Valley during the morning of the 29th. A warm conveyor belt of heavy rainfall developed in advance of the low which dumped from around 2 to over 5 inches of rain across the eastern two thirds of north Alabama and middle Tennessee. The highest rain amounts were recorded in Jackson and DeKalb Counties with 3 to 5 inches. The rain fell over 24 to 36 hour period, with rainfall remaining light to moderate during most its duration. The rainfall resulted in minor river flooding along the Little River, Big Wills Creek and Paint Rock. A landslide occurred on Highway 35 just north of Section in Jackson County. A driver was trapped in his vehicle, but was rescued unharmed. Trees, boulders and debris blocked 100 to 250 yards of Highway 35.

The rain mixed with and changed to snow across north Alabama during the afternoon and evening hours of the 28th, and lasted into the 29th. The heaviest bursts of snow occurred in northwest Alabama during the afternoon and evening hours, and in north central and northeast Alabama during the overnight and morning hours. Since ground temperatures were in the 50s, and air temperatures in valley areas only dropped into the mid 30s, most of the snowfall melted on impact with mostly trace amounts reported in valley locations. However, above 1500 foot elevation, snow accumulations of 1 to 2 inches were reported. The heaviest amount was 2.3 inches on Monte Sano Mountain, about 5 miles northeast of Huntsville.

ALABAMA, Southeast

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

11/01/11 00:00 EST	0	Drought
11/30/11 23:59 EST	0	

November started with D2-D3 (severe to extreme) drought conditions across southeast Alabama. Below average rainfall fell during the month, and D3 conditions were present area wide by the end of the month. These conditions persisted into December.

HOUSTON COUNTY --- 0.7 NNW CROSBY [31.04, -85.09]

11/16/11 14:50 CST	0.75K	Thunderstorm Wind (EG 50 kt)
11/16/11 14:50 CST	0	Source: Emergency Manager

A tree was blown down at 12901 E County Road 8. Monetary damage was estimated.

HOUSTON COUNTY --- 0.5 NNW ASHFORD [31.19, -85.23]

11/16/11 14:55 CST	0.75K	Thunderstorm Wind (EG 50 kt)
11/16/11 14:55 CST	0	Source: Emergency Manager

A tree was blown down at 102 5th Avenue in Ashford. Monetary damage was estimated.

HOUSTON COUNTY --- 1.5 NNE SMYRNA [31.25, -85.31]

11/16/11 14:55 CST	0.75K	Thunderstorm Wind (EG 50 kt)
11/16/11 14:55 CST	0	Source: Emergency Manager

A tree was blown down at 5832 Old Webb Road. Monetary damage was estimated.

HOUSTON COUNTY --- 1.5 NW GORDON [31.16, -85.10]

11/16/11 14:55 CST	0.75K	Thunderstorm Wind (EG 50 kt)
11/16/11 14:55 CST	0	Source: Emergency Manager

A tree was blown down at 490 N State Highway 95. Monetary damage was estimated.

An early Fall, seasonably strong upper level mid-latitude trough moved through the area on November 16th. The associated surface low pressure and cold front brought with it a round of thunderstorms, one of which became severe in southeastern Alabama, downing 4 trees in Houston county. A tornado watch was in affect prior to the arrival of thunderstorms. However, no tornadoes were confirmed in the WFO Tallahassee county warning area with this system.

ALABAMA, Southwest

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CLARKE COUNTY --- 4.0 E TALLAHATTA SPGS [31.90, -87.75]				
	11/16/11 09:00 CST		5K	Tornado (EF0, L: 0.25 mi , W: 50 yd)
	11/16/11 09:01 CST		0	Source: Emergency Manager

A weak EF-0 tornado developed from a thunderstorm and briefly touched down in a wooded area. There was a one-quarter mile swath of 6 inch diameter young pine tree trucks snapped off about 5 feet above the ground.

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CRENSHAW COUNTY --- 2.6 NW SAVILLE [32.00, -86.37]				
	11/16/11 11:22 CST		2K	Thunderstorm Wind (EG 52 kt)
	11/16/11 11:24 CST		0	Source: Emergency Manager

Winds estimated at 60 mph downed trees along Highway 97.

Severe thunderstorms moved across southern Alabama and produced wind damage and a weak tornado.