

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALABAMA, Central				
(AL-Z019) CALHOUN, (AL-Z023) TUSCALOOSA, (AL-Z024) JEFFERSON, (AL-Z044) MONTGOMERY				
	08/01/10 00:00 CST		0	Heat
	08/28/10 00:00 CST		0.38M	
An abnormally hot conditions occurred across Central Alabama during the month as the result of a strong ridge encompassing much of the eastern united States.				
CHEROKEE COUNTY --- 0.9 SW COLOMA [34.06, -85.61]				
	08/01/10 15:10 CST		0.50K	Thunderstorm Wind (EG 50 kt)
	08/01/10 15:10 CST		0	Source: Trained Spotter
A tree fell across Highway 9 at County Road 176.				
A thunderstorm developed, likely due to orographically enhanced lift, during the peak heating of the day toppling a tree.				
TALLAPOOSA COUNTY --- 1.4 ENE BEVELLE [32.93, -85.93]				
	08/02/10 14:17 CST		3K	Thunderstorm Wind (EG 60 kt)
	08/02/10 14:17 CST		0	Source: Emergency Manager
Numerous trees toppled in and around Alexander City.				
SHELBY COUNTY --- 1.5 SSE NEW HOPE [33.35, -86.74]				
	08/02/10 14:28 CST		4K	Thunderstorm Wind (EG 55 kt)
	08/02/10 14:28 CST		0	Source: Emergency Manager
Several trees knocked down, some onto power lines along Parkview Circle and Indian Crest Drive.				
LEE COUNTY --- 2.7 WNW SALEM [32.62, -85.27]				
	08/02/10 15:33 CST		0	Hail (1.00 in)
	08/02/10 15:33 CST		0	Source: Public
RUSSELL COUNTY --- 0.6 W PHENIX CITY [32.47, -85.01]				
	08/02/10 16:15 CST		2.50K	Thunderstorm Wind (EG 55 kt)
	08/02/10 16:15 CST		0	Source: Emergency Manager
A few trees were knocked down in the Phenix City area.				
A hot and very moist boundary layer resulted in the development of a moderately unstable air mass. The presence of a weak synoptic boundary across southern Georgia north northwestward into northern Mississippi served to focus diurnally enhanced storms.				
ELMORE COUNTY --- 2.2 SE NORTH ELMORE [32.55, -86.29]				
	08/04/10 13:20 CST		5.50K	Thunderstorm Wind (EG 55 kt)
	08/04/10 13:20 CST		0	Source: Emergency Manager
Several trees were blown down and a breezeway was damaged near Edgewood Academy between Elmore and Wetumpka.				
BARBOUR COUNTY --- 4.0 SW COMER [31.99, -85.43]				
	08/04/10 14:43 CST		4K	Thunderstorm Wind (EG 60 kt)
	08/04/10 14:43 CST		0	Source: Trained Spotter
Several trees down, either snapped or bent over, along County Road 49 and Comer Loop. Lots of small branches in the roadway. Two trees fell onto power lines.				
PICKENS COUNTY --- 2.3 W PICKENSVILLE [33.23, -88.31]				
	08/04/10 18:45 CST		1.50K	Thunderstorm Wind (EG 55 kt)
	08/04/10 18:45 CST		0	Source: Law Enforcement
A few trees were knocked down near the Alabama-Mississippi state line.				

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FAYETTE COUNTY --- 2.8 NNW BLUFF [33.86, -87.91]				
	08/04/10 20:04 CST		1.50K	Thunderstorm Wind (EG 45 kt)
	08/04/10 20:04 CST		0	Source: Emergency Manager
A few small trees and one large tree knocked down along Highways 107 and 43.				
Afternoon thunderstorms developed in a highly unstable air mass and continued until shortly after sunset.				
MARION COUNTY --- 0.6 W HACKLEBURG [34.27, -87.83]				
	08/05/10 12:51 CST		9K	Thunderstorm Wind (EG 65 kt)
	08/05/10 12:51 CST		0	Source: Emergency Manager
A barn was destroyed and two chicken houses damaged on Fincher Road. Several trees were toppled along County Road 345 with numerous power outages.				
CHEROKEE COUNTY --- 1.7 NE JAMESTOWN [34.42, -85.56]				
	08/05/10 18:42 CST		0.50K	Thunderstorm Wind (EG 55 kt)
	08/05/10 18:42 CST		0	Source: Trained Spotter
One tree knocked down along county Road 15.				
Strong surface heating of a very moist boundary layer supported strong instability during the afternoon hours. Lift was enhanced in the higher elevations of northeast Alabama, while farther west, outflow boundaries moving into Northwest Alabama helped to focus lift.				
SHELBY COUNTY --- MONTEVALLO [33.10, -86.87]				
	08/06/10 15:25 CST		1.50K	Thunderstorm Wind (EG 50 kt)
	08/06/10 15:25 CST		0	Source: Emergency Manager
Power lines knocked down on White Street.				
TUSCALOOSA COUNTY --- 0.7 E ENGLEWOOD [33.12, -87.56], 0.8 E ENGLEWOOD [33.12, -87.56], 0.7 ESE ENGLEWOOD [33.12, -87.56], 0.7 E ENGLEWOOD [33.12, -87.56]				
	08/06/10 19:02 CST		30K	Flash Flood (due to Heavy Rain)
	08/06/10 19:02 CST		0	Source: Trained Spotter
Around two feet of water flowing over the roadway near the entrance of Shelton State Community College resulting in stalled cars.				
Late afternoon, slow moving thunderstorms developed as the result of very high instability initiated by afternoon heating.				
LOWNDES COUNTY --- 3.2 WSW CALHOUN [32.03, -86.62]				
	08/08/10 16:54 CST		3K	Thunderstorm Wind (EG 55 kt)
	08/08/10 16:54 CST		0	Source: Emergency Manager
Several trees were toppled along County Road 45 between Fort Deposit and Mount Willing.				
LOWNDES COUNTY --- 0.9 NE FT DEPOSIT [31.99, -86.57], 0.7 NE FT DEPOSIT [31.99, -86.57]				
	08/08/10 16:55 CST		1.50K	Heavy Rain
	08/08/10 17:35 CST		0	Source: Emergency Manager
Rain rates around 2 inches in an hour produced minor flooding on County Road 37 in a construction area with poor drainage. The flooded road was closed.				
Intense afternoon heating resulted in high instability and the development of isolated thunderstorms. In addition, little upper level flow resulted in very slow moving storms.				
ETOWAH COUNTY --- 3.5 WNW AURORA [34.13, -86.24]				
	08/13/10 14:45 CST		60K	Thunderstorm Wind (EG 60 kt)
	08/13/10 14:45 CST		0	Source: Public
Multiple trees uprooted with partial roof damage at a residence on Bluff Road. Chicken houses also damaged.				
BLOUNT COUNTY --- 0.9 SE SNEAD [34.09, -86.36]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/13/10 15:05 CST		1.50K	Thunderstorm Wind (EG 55 kt)
	08/13/10 15:05 CST		0	Source: Emergency Manager
Several trees down along Highway 278.				
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BLOUNT COUNTY --- 2.1 NNW NECTOR [33.98, -86.64]				
	08/13/10 15:20 CST		0.15M	Lightning
	08/13/10 15:20 CST		0	Source: Emergency Manager
Lightning struck a house resulting in a fire.				
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CHEROKEE COUNTY --- 1.1 E CONGO [34.30, -85.63]				
	08/13/10 15:30 CST		0.15M	Lightning
	08/13/10 15:30 CST		0	Source: Amateur Radio
Lightning struck a house on County Road 77 resulting in a fire.				
Thunderstorms developed in an unstable atmosphere as the result of a moist boundary layer and diurnal heating.				
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SHELBY COUNTY --- 2.2 SE ACTON [33.33, -86.79], 3.5 S NEW HOPE [33.32, -86.76]				
	08/14/10 07:45 CST		15K	Heavy Rain
	08/14/10 09:00 CST		0	Source: Law Enforcement
Minor but widespread street flooding in parts of Alabaster and Pelham. Highway 52 and Applegate Parkway. Two point five inches of rain was measured in one hour in Alabaster.				
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JEFFERSON COUNTY --- 0.7 N CENTER PT [33.64, -86.68]				
	08/14/10 16:00 CST		5K	Heavy Rain
	08/14/10 17:00 CST		0	Source: Emergency Manager
Numerous streets had minor flooding resulting in several road closures throughout Center Point.				
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SHELBY COUNTY --- 4.5 ENE QUITO [33.41, -86.68]				
	08/14/10 16:30 CST		0.15M	Lightning
	08/14/10 16:30 CST		0	Source: Broadcast Media
House sustained significant damage after being struck by lightning and catching fire.				
Storms developed early in the day in a tropical air mass along an outflow boundary left over from the previous days storms. Weak steering flow resulted slow moving storms.				
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JEFFERSON COUNTY --- 1.3 ESE PLEASANT GROVE [33.47, -86.96]				
	08/15/10 16:10 CST		8K	Thunderstorm Wind (EG 55 kt)
	08/15/10 16:10 CST		0	Source: Amateur Radio
A tree fell onto power lines along Fan Road resulting in widespread power outages.				
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MARION COUNTY --- 0.7 N HAMILTON [34.14, -87.98]				
	08/15/10 17:35 CST		9K	Thunderstorm Wind (EG 60 kt)
	08/15/10 17:35 CST		0	Source: Emergency Manager
One tree fell onto a vehicle and another fell across County Road 1.				
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MARION COUNTY --- 0.7 N HAMILTON [34.14, -87.98]				
	08/15/10 17:40 CST		1K	Thunderstorm Wind (EG 55 kt)
	08/15/10 17:40 CST		0	Source: Amateur Radio
A tree fell across the road near the intersection of Country Estates Drive and Rosedale Circle.				
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LAMAR COUNTY --- 4.7 SSE DETROIT [33.97, -88.13]				
	08/15/10 17:55 CST		2K	Thunderstorm Wind (EG 55 kt)
	08/15/10 17:55 CST		0	Source: Emergency Manager

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Several trees down along State Highway 17.				
LAMAR COUNTY --- 1.3 WSW CREWS [33.89, -88.15]				
	08/15/10 18:10 CST		8K	Thunderstorm Wind (EG 55 kt)
	08/15/10 18:10 CST		0	Source: Emergency Manager
Trees and power lines down just West of town along Highway 278.				
WALKER COUNTY --- 1.9 ENE JASPER [33.84, -87.25]				
	08/15/10 18:10 CST		10K	Thunderstorm Wind (EG 55 kt)
	08/15/10 18:10 CST		0	Source: Public
Numerous trees and power lines knocked down in and around Jasper.				
LAMAR COUNTY --- 0.9 NE VERNON [33.76, -88.11]				
	08/15/10 18:25 CST		15K	Thunderstorm Wind (EG 60 kt)
	08/15/10 18:25 CST		0	Source: Emergency Manager
Numerous trees were knocked down across the southern half of the County.				
FAYETTE COUNTY --- 0.6 W BLUFF [33.82, -87.91]				
	08/15/10 18:30 CST		5K	Thunderstorm Wind (EG 60 kt)
	08/15/10 18:30 CST		0	Source: Emergency Manager
Trees were knocked down along County Road 47.				
PICKENS COUNTY --- 0.7 S ETHELSVILLE [33.41, -88.22]				
	08/15/10 19:15 CST		5K	Thunderstorm Wind (EG 60 kt)
	08/15/10 19:15 CST		0	Source: Emergency Manager
Trees down along County Road 30.				
GREENE COUNTY --- 5.0 SSE UNION [32.91, -87.90]				
	08/15/10 20:05 CST		7K	Thunderstorm Wind (EG 55 kt)
	08/15/10 20:05 CST		0	Source: Emergency Manager
A tree fell onto a house along County Road 170.				
GREENE COUNTY --- 3.6 NW EUTAW [32.87, -87.92]				
	08/15/10 20:15 CST		6K	Thunderstorm Wind (EG 60 kt)
	08/15/10 20:15 CST		0	Source: Emergency Manager
Trees were knocked down along and across Interstate 20 and 59, Highway 14, County Road 131 and Highway 20.				
SUMTER COUNTY --- 2.1 SSW YORK MALLARD ARPT [32.47, -88.28]				
	08/15/10 20:45 CST		0.50K	Thunderstorm Wind (EG 55 kt)
	08/15/10 20:45 CST		0	Source: Fire Department/Rescue
A tree was knocked down on Highway 17 South of York.				
SUMTER COUNTY --- 5.1 SW SILOAM [32.37, -88.32]				
	08/15/10 20:55 CST		3K	Thunderstorm Wind (EG 60 kt)
	08/15/10 20:55 CST		0	Source: Emergency Manager
Several trees were knocked down along County Road 16.				
<p>A very moist boundary layer coupled with abundant sunshine resulted in an unstable air mass. Numerous outflow boundaries from the previous days convection and a stalled frontal boundary helped to focus lift as diurnally enhanced pulse and multicell thunderstorms developed during the late afternoon hours.</p>				
CHEROKEE COUNTY --- 1.2 W LEESBURG [34.18, -85.77], 0.6 NW LEESBURG [34.19, -85.76], 0.5 NW LEESBURG [34.19, -85.76], 0.6 W LEESBURG [34.18, -85.76], 1.1 W LEESBURG [34.18, -85.77]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/16/10 20:50 CST		8K	Flash Flood (due to Heavy Rain)
	08/16/10 20:50 CST		0	Source: Emergency Manager

Several road closures required in and around Leesburg, including County Road 44, due to high water.

Training thunderstorms resulted in flooding in Cherokee County.

SUMTER COUNTY --- 2.8 NNE CUBA [32.47, -88.37]

08/22/10 13:15 CST	2K	Thunderstorm Wind (EG 50 kt)
08/22/10 13:15 CST	0	Source: Fire Department/Rescue

A few trees were blown down on County Road 27 near Interstate 20 and 59.

AUTAUGA COUNTY --- 3.1 NE BOOTH [32.53, -86.54]

08/22/10 13:25 CST	3K	Thunderstorm Wind (EG 60 kt)
08/22/10 13:25 CST	0	Source: Emergency Manager

Several trees were knocked down along County Roads 57 and 81.

MACON COUNTY --- 3.9 NNE FRANKLIN [32.53, -85.77]

08/22/10 14:25 CST	5K	Thunderstorm Wind (EG 65 kt)
08/22/10 14:25 CST	0	Source: Emergency Manager

Ten or more trees were blown down South and West of Liberty Park City.

Surface dew points were in the 70s with dry air and weak flow aloft making conditions favorable for wet microbursts. In addition, a weak frontal boundary moved through Central Alabama helping to focus lift.

BIBB COUNTY --- 0.9 SW CENTERVILLE [32.94, -87.14]

08/27/10 16:55 CST	4K	Thunderstorm Wind (EG 45 kt)
08/27/10 16:55 CST	0	Source: Emergency Manager

A tree and several limbs fell on a mobile home. One limb was 24 inches in diameter.

Differential heating on either side of an earlier stratus deck set up a surface boundary that helped to focus lift in an already unstable environment.

ALABAMA, North

(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

08/01/10 00:00 CST	0	Heat
08/15/10 23:59 CST	0	

A heat wave that began in July continued into early August. Heat index values climbed to 110 degrees or higher at Huntsville, Muscle Shoals and nearby communities on the 1st. Other areas reached at least 105 degrees. Temperatures reached or exceeded 100 degrees in some areas on the 3rd and 4th, and again from the 10th through 13th. Most areas reached or exceeded 95 degrees. Low temperatures only dipped into the upper 70s on most mornings during this period.

CULLMAN COUNTY --- 1.7 NNW PHELAN [34.15, -86.83], 1.5 NNW PHELAN [34.15, -86.83], 0.8 SW CULLMAN [34.17, -86.84], 1.1 SW CULLMAN [34.17, -86.84]

08/01/10 14:55 CST	10K	Flash Flood (due to Heavy Rain)
08/01/10 17:55 CST	0	Source: Law Enforcement

Flash Flooding was reported at the intersection of Beech Avenue and Sheraton road. Up to 18 inches of water was reported to have flooded businesses in this area with a foot of water on the road intersection.

Isolated strong thunderstorms developed during the midday hours in far northern Alabama, then dropped south through the late afternoon hours. One particular storm dumped very heavy rainfall that resulted in isolated flash flooding in the city of Cullman. Over 2 inches of rain fell in less than an hour, with totals exceeding 3 inches.

DEKALB COUNTY --- 0.2 N GERALDINE [34.35, -86.00]

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	08/02/10 14:25 CST		1K	Thunderstorm Wind (EG 43 kt)
	08/02/10 14:35 CST		0	Source: Emergency Manager

A tree was blown down onto CR 52 in Geradline.

DEKALB COUNTY --- 2.9 ENE RODENTOWN [34.24, -85.97]

	08/02/10 14:35 CST		25K	Thunderstorm Wind (EG 56 kt)
	08/02/10 14:45 CST		0	Source: Emergency Manager

Multiple trees were blown down onto CR 221 and 12 south of Crossville.

Temperatures in the upper 90s and a very humid air mass produced isolated strong to severe thunderstorms in northeastern Alabama. These storms produced wind damage in Dekalb county.

CULLMAN COUNTY --- 0.9 WSW CULLMAN [34.17, -86.84]

	08/03/10 12:59 CST		1K	Thunderstorm Wind (EG 39 kt)
	08/03/10 13:04 CST		0	Source: Trained Spotter

Wind gusts to 45 mph and downed large tree limbs around 2 inches in diameter were reported in the Cullman community.

FRANKLIN COUNTY --- 0.9 SE RED BAY MUNI ARPT [34.44, -88.14]

	08/03/10 15:12 CST		3K	Lightning
	08/03/10 15:12 CST		0	Source: Law Enforcement

Lightning caused three power outages.

A strong thunderstorm produced frequent lightning strikes in western Franklin County during the late afternoon hours. Lightning strikes caused three separate power outages in the Red Bay area.

Other strong storms occurred in Cullman and Dekalb counties which downed some larger limbs and downed one tree.

LAWRENCE COUNTY --- 0.8 W WREN [34.43, -87.29]

	08/04/10 18:50 CST		8K	Thunderstorm Wind (EG 56 kt)
	08/04/10 19:00 CST		0	Source: Trained Spotter

Microburst winds snapped a very large branch approximately 8 to 10 inches in diameter from a large Oak tree. The tree branch fell on power lines breaking them. In addition, a fruit stand and storage shed was blown over.

Daytime heating initiated isolated strong to severe thunderstorms over portions of northern Alabama during the late afternoon and evening hours. One storm over Lawrence county produced a severe microburst which caused some tree damage and other structural damage in the Wren community.

LIMESTONE COUNTY --- 2.3 E ATHENS [34.80, -86.94]

	08/05/10 14:00 CST		12K	Thunderstorm Wind (EG 52 kt)
	08/05/10 14:10 CST		0	Source: Public

Several trees and limbs were blown down on Cambridge Lane.

LIMESTONE COUNTY --- 1.8 SW FRENCH MILL [34.75, -86.90]

	08/05/10 14:15 CST		0	Thunderstorm Wind (EG 61 kt)
	08/05/10 14:15 CST		0	Source: Trained Spotter

A roof was reported blown off at a residence in the Southern Breeze neighborhood. Numerous additional reports of trees down and fences knocked down in this neighborhood. Powerlines were knocked down at the intersection of Mooresville road.

LIMESTONE COUNTY --- 1.8 WNW CAPSHAW [34.78, -86.83]

	08/05/10 14:30 CST		0.50K	Lightning
	08/05/10 14:35 CST		0	Source: Broadcast Media

A home was struck by lightning near the intersection of E Limestone road and Capshaw road on Lancelot Circle.

JACKSON COUNTY --- HOLLYTREE [34.80, -86.25]

	08/05/10 15:00 CST		3K	Thunderstorm Wind (EG 50 kt)
	08/05/10 15:10 CST		0	Source: COOP Observer

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Two trees were blown down in the Holly Tree community.				

DEKALB COUNTY --- 1.8 ESE MOORES XRDS [34.41, -85.94]

08/05/10 15:05 CST	20K	Thunderstorm Wind (EG 56 kt)
08/05/10 15:15 CST	0	Source: Emergency Manager

Multiple trees were blown down causing power outages and blocked roadways on CR 72 in the Moores Crossroads community.

COLBERT COUNTY --- 0.7 S SHEFFIELD [34.76, -87.70]

08/05/10 18:50 CST	30K	Thunderstorm Wind (EG 56 kt)
08/05/10 18:55 CST	0	Source: Emergency Manager

Multiple trees and power outages were blown down across much of the area in Sheffield.

COLBERT COUNTY --- 0.7 N SPRING VLY [34.66, -87.63]

08/05/10 19:00 CST	20K	Thunderstorm Wind (EG 56 kt)
08/05/10 19:10 CST	0	Source: Emergency Manager

Multiple trees were blown down in the Spring Valley area on CR 57 and west of highway 43 south.

COLBERT COUNTY --- 4.9 N CROOKED OAK [34.65, -87.79]

08/05/10 19:00 CST	20K	Thunderstorm Wind (EG 56 kt)
08/05/10 19:10 CST	0	Source: Emergency Manager

Multiple trees were blown down in the New Bethel area.

Temperatures in the mid to upper 90s and strong instability fueled scattered showers and thunderstorms ahead of a weak boundary in northern Alabama. These strong to severe storms produced damaging wind gusts that caused some structural damage and significant tree damage. Power was out for several hours for over 1200 customers in portions of Scottsboro.

MARSHALL COUNTY --- 1.9 ENE HYATT [34.24, -86.32], 1.7 W HIGHPOINT [34.25, -86.31]

08/06/10 12:05 CST	20K	Thunderstorm Wind (EG 65 kt)
08/06/10 12:15 CST	0	Source: Emergency Manager

Numerous trees were blown down which caused some structural damage to homes or businesses between the 2000 and 2800 block of Horton-Nixon Chapel Road.

MARSHALL COUNTY --- 1.5 S SWEARENGIN [34.55, -86.20], 0.9 SSE SWEARENGIN [34.56, -86.20]

08/06/10 13:00 CST	30K	Thunderstorm Wind (EG 65 kt)
08/06/10 13:10 CST	0	Source: Emergency Manager

Numerous trees were blown down along a path from near the intersection of Wright Drive and Swearingin road through the 3675 block of Swearingin road. A few of the trees were reported to be 2 feet inches in diameter. In addition, a chicken house was flattened at the intersection of Rice road and Swearingin road within this path.

Strong daytime heating and a weak boundary pushing south through northern Alabama produced scattered strong to severe showers and thunderstorms across northeastern Alabama. A few of these storms produced some damaging microbursts near the Horton and Grant communities.

CULLMAN COUNTY --- 1.3 NNE GOOD HOPE [34.12, -86.86]

08/13/10 14:35 CST	8K	Thunderstorm Wind (EG 52 kt)
08/13/10 14:45 CST	0	Source: Public

Several trees were reported blown down in the Good Hope community.

CULLMAN COUNTY --- 3.4 E WHEAT [34.04, -87.02], 3.0 E WHEAT [34.04, -87.03]

08/13/10 14:55 CST	5K	Thunderstorm Wind (EG 56 kt)
08/13/10 15:00 CST	0	Source: Public

Thunderstorm winds knocked four boats loose from their dock along Smith Lake on County Road 156. The winds proceeded to knock down at least 10 large pine trees of 6-12 inch diameter about 1/4 mile further west at Mauldin's Point. Time estimated by radar.

A severe thunderstorm knocked trees and knocked boats loose from their dock on Smith Lake in Cullman County.

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COLBERT COUNTY --- 2.2 SE RED ROCK [34.68, -87.84]				
	08/14/10 20:33 CST		0.50K	Lightning
	08/14/10 20:33 CST		0	Source: Emergency Manager
Lightning struck a house on highway 247 west of Tuscumbia.				
Isolated showers and thunderstorms developed in the evening hours, some of which produced frequent lightning. Lightning struck a house on highway 247 west of Tuscumbia. No injuries were reported.				
(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z006) MADISON, (AL-Z007) MORGAN, (AL-Z016) CULLMAN				
	08/15/10 00:00 CST		0	Excessive Heat
	08/15/10 16:00 CST		0	
Heat index values reached 110 to 115 degrees in northwest and north central Alabama, including the following counties: Madison, Morgan, Cullman, Limestone, Lawrence, Franklin and Lauderdale.				
LAUDERDALE COUNTY --- CENTER STAR [34.87, -87.45]				
	08/15/10 15:25 CST		3K	Thunderstorm Wind (EG 43 kt)
	08/15/10 15:25 CST		0	Source: Broadcast Media
Power lines were blown down in the Center Star community.				
LAUDERDALE COUNTY --- KILLEN [34.87, -87.53]				
	08/15/10 15:25 CST		2K	Thunderstorm Wind (EG 43 kt)
	08/15/10 15:35 CST		0	Source: Broadcast Media
Power lines were blown down in the Killen area.				
LAWRENCE COUNTY --- 2.3 W RED BANK [34.77, -87.41]				
	08/15/10 15:38 CST		8K	Thunderstorm Wind (EG 56 kt)
	08/15/10 15:48 CST		0	Source: Emergency Manager
Trees were blown down across power lines on highway 101 at the south end of Wheeler Dam.				
LIMESTONE COUNTY --- 2.0 WSW WHEELER LAKE NORTH [34.82, -87.18]				
	08/15/10 15:41 CST		8K	Thunderstorm Wind (EG 56 kt)
	08/15/10 15:51 CST		0	Source: Public
Trees and power lines were blown down on Blue Springs Drive.				
LIMESTONE COUNTY --- 2.3 WSW WHEELER LAKE NORTH [34.82, -87.19]				
	08/15/10 15:41 CST		8K	Thunderstorm Wind (EG 56 kt)
	08/15/10 15:51 CST		0	Source: Emergency Manager
Trees and power lines were blown down on Cox Road.				
MORGAN COUNTY --- 0.6 W OAKWORTH [34.57, -86.99]				
	08/15/10 16:05 CST		16K	Thunderstorm Wind (EG 56 kt)
	08/15/10 16:15 CST		0	Source: Law Enforcement
Decatur police department reported multiple power lines and trees down, causing some traffic signals to go out. A street sign was also blown over on US 31 north.				
A line of strong to severe thunderstorms pushed through northern Alabama during the afternoon hours. Fairly widespread wind damage occurred, mainly west of interstate 65.				
(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE, (AL-Z005) LIMESTONE, (AL-Z006) MADISON, (AL-Z007) MORGAN, (AL-Z016) CULLMAN				
	08/15/10 16:00 CST		0	Heat
	08/17/10 16:00 CST		0	

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heat index values reached 105 to 109 degrees in the following counties:				
Madison, Lauderdale, Colbert, Franklin, Lawrence, Limestone, Cullman and Morgan.				
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MARSHALL COUNTY --- 0.4 N ALBERTVILLE [34.28, -86.22], 1.4 ENE ALBERTVILLE [34.28, -86.20], 0.3 E SARATOGA [34.25, -86.20], 1.1 SSW ALBERTVILLE [34.26, -86.22]				
	08/16/10 18:50 CST		0	Flash Flood (due to Heavy Rain)
	08/16/10 20:50 CST		0	Source: Emergency Manager

Numerous roads were covered with water in the city of Albertville. A few roads were covered in water so deep that barricades had to be put in place.

Strong thunderstorms produced intense rainfall in localized areas of northeast Alabama during the late afternoon and early evening hours. Runoff caused flash flooding in the Albertville area during the early evening hours.

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JACKSON COUNTY --- 1.1 W SCOTTSBORO [34.67, -86.05]				
	08/17/10 00:00 CST		0	Heavy Rain
	08/17/10 09:00 CST		0	Source: COOP Observer

A rainfall total of 6.60 inches was measured by a COOP observer 2 miles north of Scottsboro. He also reported that roads were still closed and some businesses in Scottsboro were flooded.

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JACKSON COUNTY --- 3.6 SSW HYTOP [34.87, -86.10]				
	08/17/10 00:00 CST		0	Heavy Rain
	08/17/10 09:00 CST		0	Source: Mesonet

The USDA Scan weather station in the Hytop community measured 3.5 inches of rainfall between 1 am and 10 am.

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JACKSON COUNTY --- 0.9 SW SCOTTSBORO MUNI ARPT [34.69, -86.01]				
	08/17/10 05:00 CST		0	Heavy Rain
	08/17/10 07:00 CST		0	Source: Mesonet

Total rainfall measured by a HCN COOP site through 8 am at Scottsboro airport reached 4.59 inches.

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JACKSON COUNTY --- 1.0 W HYTOP [34.92, -86.10], 3.7 SSE LARKINSVILLE [34.63, -86.10], 1.1 NE DUTTON [34.63, -85.92], 0.6 E BASS [34.93, -85.91]				
	08/17/10 05:30 CST		0.30M	Flash Flood (due to Heavy Rain)
	08/17/10 11:30 CST		0	Source: Law Enforcement

Heavy rainfall of totaling between 3 and 8 inches fell from near Hytop to just west of Stevenson and southward into Scottsboro. The hardest hit areas were in Scottsboro and just to its north, where between 5 and 8 inches of rainfall fell. This caused numerous roads in Scottsboro to be closed or barricaded as early as 6 am CDT. The Scottsboro airport recorded 4.59 inches of rainfall through 7 am CDT. By 740 am CDT, three feet of water was reported covering the Hardee's parking lot on Broad Street in Scottsboro. Two cars drove into a flooded ditch at this location and a walkway over the ditch was washed away.

Heavy rainfall continued in these areas through 9 am, causing extensive flash flooding. By 830 am, significant flash flooding was impacting residences on highway 79. Several water rescues had to be performed at residences near Maple avenue in Scottsboro by 9 am CDT. Additional flash flooding caused by the rainfall caused Dry Creek to overflow and cover a runway at the Scottsboro Airport with 3 to 4 inches of water. At this point 6.68 inches of rain was reported by a secondary weather station at the Scottsboro Airport. This total is suspected to be an underestimate.

A complex of heavy showers and thunderstorms developed around 5 am and tracked slowly northward through northeast Alabama. Thunderstorms and intense rainfall repeatedly regenerated over the same area, especially from Scottsboro northward through the Hytop area. Rainfall fell at a rate of one quarter inch per five minutes, or up to 3 inches per hour. The bulk of the rain fell from 6 am to 9 am, with rainfall totals of 6 to 7 inches reported. Flood water closed numerous roads in Scottsboro. Water as high as 4.5 feet inundated residences and businesses in the area. A few residents were rescued from the water in their homes. Two cars became submerged in flood water at a fast food restaurant on Broad Street where 3 feet was flood water collected.

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(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE				
	08/19/10 10:00 CST		0	Heat
	08/22/10 17:00 CST		0	

Heat index values reached 105 degrees in the following counties:
Lauderdale, Colbert, Franklin and Lawrence.

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MADISON COUNTY --- 0.8 SE MT LEVENTOV [34.86, -86.61]				

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/21/10 19:15 CST		4K	Thunderstorm Wind (EG 43 kt)
	08/21/10 19:25 CST		0	Source: Emergency Manager

A tree was blown down on a power line on Cornfield Lane west of Meridianville. Time was estimated from radar.

MADISON COUNTY --- 1.3 WSW FAIRVIEW [34.96, -86.50]

08/21/10 19:15 CST	15K	Thunderstorm Wind (EG 52 kt)
08/21/10 19:25 CST	0	Source: Emergency Manager

Trees were blown down in the Walnut Grove area east of Hazel Green. A car was damaged when it ran into one of the downed trees.

MADISON COUNTY --- 2.3 WNW NORMAL [34.79, -86.62]

08/21/10 19:25 CST	5K	Thunderstorm Wind (EG 50 kt)
08/21/10 19:35 CST	0	Source: Newspaper

A 100 foot locust tree was blown down near the intersection of Pulaski Pike and Winchester Road on power lines. This caused about 1,000 Huntsville Utility customers to lose their power.

MADISON COUNTY --- HUNTSVILLE [34.73, -86.62]

08/21/10 20:40 CST	0	Lightning
08/21/10 20:50 CST	0	Source: Emergency Manager

A man working on a air conditioning unit was indirectly struck by lightning. He was transported to the hospital.

LIMESTONE COUNTY --- 0.9 SW ATHENS [34.79, -86.99]

08/21/10 21:50 CST	4K	Thunderstorm Wind (EG 43 kt)
08/21/10 22:00 CST	0	Source: Newspaper

Two trees were blown down at a residence along Schilling road. One tree fell on two cars at the residence causing significant damage.

Very hot and humid conditions developed during the afternoon hours on the 21st. As a result, numerous strong and a few severe thunderstorms developed ahead of a cold front during the evening hours. One of the storms knocked trees down near the towns of Hazel Green and Meridianville. One man was indirectly struck by lightning while working on an air conditioning unit. Fortunately, his injuries were reportedly minor.

CULLMAN COUNTY --- 1.5 NNE WELTI [34.15, -86.74]

08/27/10 17:30 CST	0.10K	Thunderstorm Wind (EG 39 kt)
08/27/10 17:40 CST	0	Source: Law Enforcement

Small tree limbs were blown down along CR 730 and CR 747 in the Welti community.

Strong daytime heating produced isolated strong thunderstorms in Cullman county. One of these thunderstorms produced some minor tree damage near Cullman.

ALABAMA, Southeast

(AL-Z066) DALE, (AL-Z067) HENRY, (AL-Z069) HOUSTON

08/01/10 15:00 EST	0	Heat
08/02/10 15:00 EST	0	

High heat indices of 110 degrees or higher effected the Dothan area during the afternoon hours of August 1st and August 2nd.

HOUSTON COUNTY --- COTTONWOOD [31.05, -85.30]

08/01/10 16:04 CST	1.50K	Thunderstorm Wind (EG 50 kt)
08/01/10 16:04 CST	0	Source: Unknown

Trees were blown down along with hail of unknown size. The monetary damage figure provided is a rough estimate.

The tail end of a weak upper level trough coupled with an unstable air mass resulted in a severe storm during the late afternoon hours.

HOUSTON COUNTY --- DOTHAN [31.22, -85.39]

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/07/10 13:20 CST		2K	Lightning
	08/07/10 13:20 CST		0	Source: Public

A house was struck by lightning, which resulted in a hole in the roof and the loss of 4 to 5 shingles. The monetary damage figure provided is a rough estimate.

Afternoon thunderstorms developed with lightning striking a home in Dothan.

COFFEE COUNTY --- 0.9 WSW ENTERPRISE [31.32, -85.85]

08/22/10 13:50 CST		25K	Lightning
08/22/10 13:50 CST		0	Source: Newspaper

Lightning struck the Coffee county District Attorney's office, causing significant computer damage with monetary losses estimated at \$25,000.

Afternoon thunderstorms developed with a lightning strike hitting the District Attorney's office building in Coffee county.

ALABAMA, Southwest

MONROE COUNTY --- 3.0 W RIVER RIDGE [31.72, -87.37]

08/02/10 15:31 CST		10K	Thunderstorm Wind (EG 52 kt)
08/02/10 15:33 CST		0	Source: Public

Winds estimated at 60 mph downed multiple power lines.

MONROE COUNTY --- VREDENBURGH [31.82, -87.32], 0.6 ESE VREDENBURGH [31.82, -87.31], 0.8 ENE VREDENBURGH [31.82, -87.31], 0.4 NE VREDENBURGH [31.82, -87.32]

08/02/10 16:08 CST		0	Flash Flood (due to Heavy Rain)
08/02/10 17:08 CST		0	Source: Public

Heavy rain from thunderstorms producing flooding in area roadways. Several roadways had 2 to 3 inches of water flowing across them.

Thunderstorms with winds estimated at 60 mph downed multiple power lines. Heavy rains from the thunderstorms also caused flooding in parts of southwest Alabama.

BALDWIN COUNTY --- GULF SHRS [30.28, -87.68]

08/03/10 10:30 CST		0	Lightning
08/03/10 10:31 CST	2	0	Source: Law Enforcement

Lightning struck 4 people on the beach in Gulf Shores. Two were hospitalized with minor injuries.

Lightning struck 4 people on the beach in Gulf Shores. Two were hospitalized with minor injuries.

WASHINGTON COUNTY --- FRANKVILLE [31.65, -88.15]

08/03/10 17:08 CST		10K	Thunderstorm Wind (EG 52 kt)
08/03/10 17:10 CST		0	Source: Law Enforcement

Winds estimated at 60 mph downed several trees.

WASHINGTON COUNTY --- 5.0 ENE VINEGAR BEND [31.30, -88.27]

08/03/10 18:13 CST		5K	Thunderstorm Wind (EG 52 kt)
08/03/10 18:15 CST		0	Source: NWS Employee

Scattered tree limbs down and one tree down due to thunderstorm wind gusts.

Thunderstorms with winds estimated at 60 mph caused downed trees and power lines and also produced large hail in southwest Alabama.

ESCAMBIA COUNTY --- APPLETON [31.12, -87.07]

08/04/10 15:40 CST		0	Hail (1.00 in)
08/04/10 15:42 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ESCAMBIA COUNTY --- APPLETON [31.12, -87.07]				
	08/04/10 16:24 CST		0	Thunderstorm Wind (EG 52 kt)
	08/04/10 16:26 CST		0	Source: Law Enforcement

Winds estimated at 60 mph downed power lines in Appleton.

Thunderstorms produced gusty winds and hail that caused damage in southwest Alabama.

CHOCTAW COUNTY --- 1.0 SSW PENNINGTON [32.19, -88.06]				
	08/05/10 16:13 CST		0	Hail (1.25 in)
	08/05/10 16:15 CST		0	Source: Public

CHOCTAW COUNTY --- 1.0 SSW PENNINGTON [32.19, -88.06]				
	08/05/10 16:13 CST		0	Thunderstorm Wind (EG 52 kt)
	08/05/10 16:15 CST		0	Source: Public

The Public reported a wind gust estimated at 60 mph.

Thunderstorms produced strong winds and hail across southwest Alabama.

BALDWIN COUNTY --- 1.1 NNE HURRICANE [30.85, -87.91]				
	08/07/10 17:50 CST	1	0	Lightning
	08/07/10 17:50 CST		0	Source: Newspaper

A Semmes, Alabama man was killed by a lightning strike as he and his wife were heading in from a day of boating on the Tensaw River just west of Bay Minette, Alabama.

Direct Fatalities: M34BO

Scattered thunderstorms developed across coastal Alabama during the afternoon hours, producing frequent lightning, heavy rains, and gusty winds around 30 mph.

MOBILE COUNTY --- MOBILE [30.70, -88.08], 0.4 ESE MOBILE [30.70, -88.07], 0.7 E MOBILE [30.70, -88.07], 0.5 E MOBILE [30.70, -88.07]				
	08/15/10 16:30 CST		0	Flash Flood (due to Heavy Rain)
	08/15/10 17:30 CST		0	Source: Public

Heavy rain produced flooding in Downtown Mobile.