

## Storm Data and Unusual Weather Phenomena - August 2016

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

(AL-Z011) MARION, (AL-Z012) LAMAR, (AL-Z019) CALHOUN, (AL-Z020) CHEROKEE, (AL-Z021) CLEBURNE, (AL-Z025) SHELBY, (AL-Z026) ST. CLAIR, (AL-Z028) CLAY, (AL-Z029) RANDOLPH, (AL-Z037) TALLAPOOSA, (AL-Z038) CHAMBERS, (AL-Z047) LEE

08/01/16 00:00 CST			0	Drought
08/31/16 23:59 CST			0	

Below normal rainfall and above average temperatures continued across central Alabama with several counties added to the Severe Drought (D2) category across east central Alabama.

#### ETOWAH COUNTY --- 1.8 NE RAINBOW CITY [33.97, -86.01]

08/04/16 15:07 CST			0	Thunderstorm Wind (EG 50 kt)
08/04/16 15:08 CST			0	Source: Emergency Manager

Several trees uprooted and power lines downed in the city of Gadsden.

#### ETOWAH COUNTY --- 0.6 W RAINBOW CITY [33.95, -86.04]

08/04/16 15:08 CST			0	Thunderstorm Wind (EG 50 kt)
08/04/16 15:08 CST			0	Source: Emergency Manager

Several trees uprooted and power lines downed around Rainbow City.

An isolated severe thunderstorm developed during the peak heating of the day.

### 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

08/01/16 00:00 CST			0	Drought
08/31/16 23:59 CST			0	

The month began with much of northeast Alabama in Severe Drought Conditions (D2). By the issuance on the 14th, D2 had expanded to encompass much of north central Alabama, with the exception of tiny slivers of Cullman, Lawrence, and far eastern Lauderdale Counties. With the issuance of the Drought Monitor on the 28th, Extreme Drought Conditions (D3) were introduced over far northeast Alabama, in a sliver of Jackson and Dekalb Counties. In addition, portions of D2 were trimmed back due to a couple of heavy rainfall events in northeast Cullman and western Marshall Counties.

#### LAUDERDALE COUNTY --- 2.7 SW ZIP CITY [34.92, -87.70]

08/03/16 14:30 CST			0.50K	Thunderstorm Wind (EG 43 kt)
08/03/16 14:33 CST			0	Source: Emergency Manager

One tree was knocked down along CR 2 near Highway 20.

#### LAUDERDALE COUNTY --- 0.5 S PETERSVILLE [34.84, -87.68]

08/03/16 14:33 CST			0	Hail (0.75 in)
08/03/16 14:36 CST			0	Source: Broadcast Media

Penny sized hail was reported just north of Florence.

A strong thunderstorm produced penny sized hail and knocked down a tree in central Lauderdale County.

#### (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE

08/04/16 13:00 CST			0	Heat
08/04/16 17:00 CST			0	

Temperatures climbed into the lower to middle 90s and combined with dew point temperatures in the lower to middle 70s to produce dangerous heat levels during the afternoon hours. The heat index reached 105 to 107 degrees at times from 1300-1700 LST.

#### (AL-Z001) LAUDERDALE, (AL-Z002) COLBERT

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	08/05/16 10:00 CST		0	Excessive Heat
	08/05/16 13:00 CST		0	

**(AL-Z001) LAUDERDALE, (AL-Z002) COLBERT, (AL-Z003) FRANKLIN, (AL-Z004) LAWRENCE**

	08/05/16 10:00 CST		0	Heat
	08/05/16 16:00 CST		0	

As temperatures reached the middle to upper 90s with dew points in the middle to upper 70s, the heat index reached 110 degrees in Muscle Shoals and nearby locations during the afternoon hours.

**MADISON COUNTY --- 2.2 NE MADISON [34.72, -86.74], 2.4 NE MADISON [34.72, -86.74], 2.2 NE MADISON [34.72, -86.74], 2.0 NE MADISON [34.72, -86.74]**

	08/08/16 19:21 CST		0	Flash Flood (due to Heavy Rain)
	08/08/16 22:00 CST		0	Source: Law Enforcement

Water covering the road at the intersection of Hughes Road and Eastview Drive in Madison.

**LIMESTONE COUNTY --- 2.1 S PARKER [34.69, -86.82], 2.1 S PARKER [34.69, -86.81], 2.3 ENE GREENBRIER [34.69, -86.81], 2.0 NE GREENBRIER [34.69, -86.82]**

	08/08/16 19:38 CST		0	Flash Flood (due to Heavy Rain)
	08/08/16 22:00 CST		0	Source: Law Enforcement

Water covering the road at the intersection of Hardiman and Segers Roads in Madison. Water depth unknown.

**LIMESTONE COUNTY --- 1.3 ESE PARKER [34.71, -86.80], 1.4 S BURGREN CORNER [34.71, -86.80], 1.4 S BURGREN CORNER [34.71, -86.80], 1.4 ESE PARKER [34.71, -86.80]**

	08/08/16 19:40 CST		0	Flash Flood (due to Heavy Rain)
	08/08/16 22:00 CST		0	Source: Law Enforcement

Water covering the road at the intersection of Burgreen and Neyland Drive in Madison. Water depth unknown.

**A thunderstorm produced 1 to 4 inches of rain in a portion of eastern Limestone and western Madison Counties within the city of Madison. Mesonet observations indicated rainfall falling at a rate of around 0.50 inches in 5 minutes. The rapid rainfall and resulting runoff produced flash flooding rapidly on a few roads in the city of Madison.**

**LAUDERDALE COUNTY --- 27.9 E OLIVER [34.79, -86.76]**

	08/14/16 18:25 CST		0	Thunderstorm Wind (EG 43 kt)
	08/14/16 18:27 CST	1	0	Source: Emergency Manager

EMA reported a tree fell on a car and caused a minor injury to an 8 year old female passenger.

**LAUDERDALE COUNTY --- 1.1 E JOHNSON XRDS [34.97, -87.73]**

	08/14/16 18:30 CST		0.50K	Thunderstorm Wind (EG 43 kt)
	08/14/16 18:31 CST		0	Source: Emergency Manager

EMA reports a tree down near CR11 and CR139 near Cloverdale.

**A line of thunderstorms pushed north-northeast during the early evening hours. The storms knocked down trees and power lines. One tree was knocked down onto a car injuring a child.**

**MORGAN COUNTY --- 1.0 WSW DECATUR [34.61, -87.00], 1.2 SSW DECATUR [34.61, -86.99], 0.9 SSW DECATUR [34.61, -86.98], 0.6 SW DECATUR [34.61, -86.99]**

	08/18/16 12:47 CST		0	Flash Flood (due to Heavy Rain)
	08/18/16 15:00 CST		0	Source: Newspaper

A thunderstorm dumped 1 to 2 inches of rain in about 30 minutes over downtown Decatur. This produced rapid urban flash flooding in downtown near the Courthouse along Lee Street where 6-12 inches of flood water stalled cars along the street.

**A thunderstorm dumped 1 to 2 inches of rain in about 30 minutes over downtown Decatur. This produced rapid urban flash flooding in downtown near the Courthouse along Lee Street. The road was closed after cars were stalled along the street.**

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# Decatur Flash Flooding

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*Several cars were stalled by the floodwaters near the Morgan County Courthouse in downtown Decatur, AL.*

**DEKALB COUNTY --- 0.9 NE FT PAYNE [34.44, -85.72]**

08/18/16 13:50 CST	0	Hail (0.75 in)
08/18/16 13:53 CST	0	Source: Broadcast Media

Dime sized hail was reported in downtown Fort Payne.

**A strong thunderstorm produced dime sized hail in the town of Fort Payne in DeKalb County.**

**DEKALB COUNTY --- 0.9 SSW ALLEN [34.49, -85.67], 1.0 W FISHER XRDS [34.47, -85.69], 0.6 NW FT PAYNE ISBELL ARPT [34.48, -85.73], 1.8 NNE FT PAYNE ISBELL ARPT [34.49, -85.70]**

08/19/16 12:43 CST	0	Flash Flood (due to Heavy Rain)
08/19/16 16:41 CST	0	Source: Newspaper

Several streets between Fort Payne High School and Heil Environmental is closed due to flooding. 45th Street, 35th Street, and portions of Gault Avenue were affected.

**DEKALB COUNTY --- 0.9 SW ALLEN [34.49, -85.68], 0.9 SSW ALLEN [34.49, -85.67], 1.0 WSW FISHER XRDS [34.46, -85.69], 1.5 NNE FT PAYNE ISBELL ARPT [34.49, -85.71]**

08/19/16 13:16 CST	0	Flash Flood (due to Heavy Rain)
08/19/16 16:41 CST	0	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - August 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Two feet of water over 45th Street in Fort Payne.				
<b>Two to three inches of rain fell quickly in downtown Fort Payne, AL on the 19th. Several roadways were covered with water, and a few businesses were impacted.</b>				
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<b>LIMESTONE COUNTY --- 1.9 SW OAKLAND [34.65, -87.01], 1.9 SW OAKLAND [34.65, -87.01]</b>				
	08/19/16 22:50 CST		0	Tornado (EFU, L: 0.09 mi , W: 50 yd)
	08/19/16 22:52 CST		0	Source: NWS Storm Survey
Several photos and video on social and broadcast media indicated a waterspout along or just offshore of Wheeler Reservoir on the Tennessee River , about 5 miles north-northwest of the city of Decatur. Time and location were estimated by radar , videos and photos. A storm survey was conducted, but no damage was observed onshore in Limestone County.				
<b>A miniature supercell thunderstorm produced a waterspout on Lake Wheeler about 5 miles north-northwest of the city of Decatur near the shore of Limestone County. Along with nearby University of Alabama Huntsville ARMOR radar, the waterspout was photographed and video-graphed from several locations in Decatur that gave an approximate location and duration of the occurrence. The waterspout may have reached shore, but no damage was reported or observed as of yet.</b>				
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<b>LAWRENCE COUNTY --- 0.6 W MOULTON [34.48, -87.29]</b>				
	08/26/16 13:40 CST		0.50K	Thunderstorm Wind (EG 50 kt)
	08/26/16 13:43 CST		0	Source: Emergency Manager
Power lines were knocked down on Court Street in Moulton.				
<hr/>				
<b>LAWRENCE COUNTY --- 5.5 WNW SPEAKE [34.45, -87.16]</b>				
	08/26/16 13:40 CST		0.50K	Thunderstorm Wind (EG 50 kt)
	08/26/16 13:43 CST		0	Source: Emergency Manager
Two trees were knocked down in the Oakville district near Speake.				
<hr/>				
<b>COLBERT COUNTY --- 3.3 SSE SPRING VLY [34.61, -87.60]</b>				
	08/26/16 14:04 CST		1K	Thunderstorm Wind (EG 50 kt)
	08/26/16 14:07 CST		0	Source: Emergency Manager
Trees were knocked down near the Lagrange community.				
<hr/>				
<b>COLBERT COUNTY --- 4.0 SE SPRING VLY [34.61, -87.58]</b>				
	08/26/16 14:04 CST		1K	Thunderstorm Wind (EG 50 kt)
	08/26/16 14:07 CST		0	Source: Emergency Manager
Trees were knocked down near the Lagrange community.				
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<b>COLBERT COUNTY --- 1.3 ENE EMCO LISTERHILL JCT [34.73, -87.55]</b>				
	08/26/16 14:29 CST		0.50K	Thunderstorm Wind (EG 50 kt)
	08/26/16 14:32 CST		0	Source: Emergency Manager
A tree was knocked down onto power lines in Leighton.				
<hr/>				
<b>COLBERT COUNTY --- 0.9 NW LITTLEVILLE [34.59, -87.68]</b>				
	08/26/16 14:40 CST		0	Thunderstorm Wind (EG 52 kt)
	08/26/16 14:43 CST		0	Source: Emergency Manager
A building collapsed at a lumber yard near Littleville.				
<hr/>				
<b>COLBERT COUNTY --- WHITEHOUSE SPGS [34.65, -87.68]</b>				
	08/26/16 14:40 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/26/16 14:43 CST		0	Source: Emergency Manager
Trees were knocked down in Littleville. Time estimated by radar.				
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<b>COLBERT COUNTY --- 0.7 N MUSCLE SHOALS [34.76, -87.67]</b>				
	08/26/16 14:50 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/26/16 14:53 CST		0	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - August 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A power pole was knocked down in Sheffield.				
<b>COLBERT COUNTY --- 3.6 NNW BARTON [34.78, -87.90]</b>				
	08/26/16 14:58 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/26/16 15:01 CST		0	Source: Emergency Manager
Two trees were knocked down in Cherokee.				
<b>MADISON COUNTY --- 1.3 ENE NEW HOPE [34.54, -86.38]</b>				
	08/26/16 16:26 CST		2K	Thunderstorm Wind (EG 60 kt)
	08/26/16 16:29 CST		0	Source: Emergency Manager
A tree was knocked down on a house. Time estimated from radar.				
<b>MADISON COUNTY --- 0.9 NW NEW HOPE [34.54, -86.41]</b>				
	08/26/16 16:30 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	08/26/16 16:33 CST		0	Source: Emergency Manager
A tree was knocked down on power lines on Madison Avenue. Time estimated from radar.				
<b>MADISON COUNTY --- BROWNSBORO [34.75, -86.45]</b>				
	08/26/16 16:35 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	08/26/16 16:38 CST		0	Source: Emergency Manager
A tree was knocked down across Brownsboro Road. Time estimated from radar.				
<b>MADISON COUNTY --- 2.2 SW HUNTSVILLE MILLS ARP [34.73, -86.58]</b>				
	08/26/16 16:58 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/26/16 17:01 CST		0	Source: Emergency Manager
A tree and power lines were knocked down on White Street. Time estimated from radar.				
<b>MADISON COUNTY --- 0.6 W HUNTSVILLE [34.73, -86.63]</b>				
	08/26/16 17:05 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/26/16 17:08 CST		0	Source: Fire Department/Rescue
A large tree limb was knocked down at the corner of Green Acres Drive and Holmes Avenue . The limb was on power lines and partly blocking Green Acres Drive. Time estimated from radar.				
<b>MADISON COUNTY --- 0.7 N HUNTSVILLE PARK [34.71, -86.62]</b>				
	08/26/16 17:05 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/26/16 17:08 CST		0	Source: Emergency Manager
A tree and power lines were knocked down on Biscayne Street. Time estimated from radar.				
<b>MADISON COUNTY --- 1.3 WSW NORMAL [34.77, -86.60]</b>				
	08/26/16 17:05 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	08/26/16 17:08 CST		0	Source: Emergency Manager
A tree was knocked down at the corner of Blue Spring Road and Mastin Lake Road. time estimated from radar.				
<b>MADISON COUNTY --- HUNTSVILLE [34.73, -86.62]</b>				
	08/26/16 17:05 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/26/16 17:08 CST		0	Source: Emergency Manager
Power lines and poles were knocked down. Time estimated from radar.				
<b>Scattered to numerous thunderstorms erupted during the early to mid afternoon hours in north Alabama. The storms tracked west and northwest through the afternoon producing sporadic wind damage.</b>				
<b>JACKSON COUNTY --- DUTTON [34.62, -85.93]</b>				

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	08/28/16 15:20 CST		0.50K	Thunderstorm Wind (EG 43 kt)
	08/28/16 15:23 CST		0	Source: Emergency Manager

A tree was knocked down on CR 18 in Dutton.

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### MORGAN COUNTY --- 1.3 NNE LYNNTOWN [34.45, -86.69], 1.1 N LYNNTOWN [34.45, -86.70]

	08/28/16 17:20 CST		0	Thunderstorm Wind (EG 66 kt)
	08/28/16 17:25 CST		0	Source: NWS Storm Survey

The survey concluded that microburst winds led to the damage reported. The swath of damage extended approximately 1 mile in width and 0.6 mile in length, mainly along and adjacent to Cotaco Florette Road and Fowler Cove Road. The survey team focused on two main areas: the northern extent of the swath on Dotson Road and the southern extent along Cotaco Florette Road. Along the southern extent, significant tree damage was observed with several hickory trees either snapped or uprooted with numerous large branches down. Debris was oriented west to west-southwest. Winds peaked at the southern portion of the damage swath with an estimated 76 mph.

Further north, the survey team observed a couple of Bradford Pear trees uprooted with numerous small and large branches knocked down, all oriented to the west. Winds on the northern end of the swath were estimated at 55 mph.

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### CULLMAN COUNTY --- 1.7 E TRIMBLE [34.10, -86.92]

	08/28/16 18:30 CST		0	Thunderstorm Wind (EG 52 kt)
	08/28/16 18:33 CST		0	Source: Emergency Manager

Thunderstorm wind damaged several barns, the debris of which damaged basement windows of a nearby house.

**A group of thunderstorms interacting with a surface boundary caused microburst winds producing tree damage and minor property damage in east central Morgan County near the Fowler Cove area. Other storms produced damage in Cullman and Jackson Counties.**

## ALABAMA, Southeast

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### GENEVA COUNTY --- 2.9 WSW HIGH BLUFF [31.13, -85.77]

	08/14/16 14:20 CST		0	Thunderstorm Wind (EG 50 kt)
	08/14/16 14:20 CST		0	Source: 911 Call Center

A tree was blown down on County Road 41.

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### GENEVA COUNTY --- 0.7 N HIGH BLUFF [31.16, -85.73]

	08/14/16 14:22 CST		1K	Thunderstorm Wind (EG 50 kt)
	08/14/16 14:22 CST		0	Source: Utility Company

A tree was blown down near High Bluff resulting in a power outage.

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### COFFEE COUNTY --- 1.0 NNE MOUNT PLEASANT [31.24, -85.91]

	08/14/16 14:35 CST		1K	Thunderstorm Wind (EG 50 kt)
	08/14/16 14:35 CST		0	Source: Utility Company

A tree was blown down along County Road 643 resulting in a power outage.

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### COFFEE COUNTY --- 1.0 N ENTERPRISE [31.33, -85.84]

	08/14/16 14:40 CST		5K	Thunderstorm Wind (EG 55 kt)
	08/14/16 14:40 CST		0	Source: Law Enforcement

Several trees, power lines, and poles were blown down mainly on the north side of Enterprise.

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### HOUSTON COUNTY --- 1.0 NE SMYRNA [31.24, -85.31]

	08/14/16 17:27 CST		1K	Thunderstorm Wind (EG 50 kt)
	08/14/16 17:27 CST		0	Source: Utility Company

A tree was blown down along Highway 52 resulting in a power outage.

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### HOUSTON COUNTY --- 1.4 N SIGMA [31.30, -85.19]

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	08/14/16 17:28 CST		1K	Lightning
	08/14/16 17:28 CST		0	Source: 911 Call Center

A shed caught fire due a lightning strike. Damage was estimated.

### HOUSTON COUNTY --- 0.7 S PLEASANT PLAINS [31.29, -85.22]

	08/14/16 17:40 CST		1K	Thunderstorm Wind (EG 50 kt)
	08/14/16 17:40 CST		0	Source: Utility Company

A tree was blown down along Bill Yance Road resulting in a power outage.

Scattered afternoon thunderstorms developed in an environment of high instability favorable for microbursts.

## ALABAMA, Southwest

### CLARKE COUNTY --- 2.0 N GOSPORT [31.61, -87.58]

	08/02/16 13:49 CST		5K	Lightning
	08/02/16 13:49 CST		0	Source: Emergency Manager

Lightning caused damage to trees.

Lightning caused damage to a tree.

### COVINGTON COUNTY --- OPP [31.28, -86.25], 7.8 NE OPP [31.37, -86.17], 4.9 ENE ESTOTHEL [31.28, -86.13], 1.3 ESE ESTOTHEL [31.25, -86.18]

	08/08/16 15:05 CST		0	Flash Flood (due to Heavy Rain)
	08/08/16 17:05 CST		0	Source: Law Enforcement

Heavy rain caused flooding of multiple streets in Opp.

Heavy rain caused flooding in south central Alabama.

### BALDWIN COUNTY --- ROBERTSDALE [30.55, -87.72], 1.0 NNW SEMINOLE [30.53, -87.48], 2.6 N PERDIDO BEACH [30.39, -87.50], 3.8 SW FOLEY [30.38, -87.72]

	08/10/16 13:15 CST		0	Flash Flood (due to Heavy Rain)
	08/10/16 15:15 CST		0	Source: Emergency Manager

Heavy rain caused flooding of numerous roads in southern Baldwin County.

Heavy rains caused flooding across portions of central and southern Baldwin County.

### BALDWIN COUNTY --- 1.0 SSE BON SECOUR [30.31, -87.72], 4.2 SW GULF SHRS [30.24, -87.73], 1.9 S GULF SHRS [30.25, -87.68], 1.2 SE OAK [30.31, -87.69]

	08/12/16 08:00 CST		0	Flood (due to Heavy Rain)
	08/12/16 10:45 CST		0	Source: Trained Spotter

A trained spotter reported minor flooding across western portions of Gulf Shores near West Beach Blvd.

### MOBILE COUNTY --- 1.6 ENE COTTAGE HILL [30.66, -88.13], 2.0 WSW MOBILE [30.69, -88.11], 1.2 NE MERTZ [30.68, -88.07], 0.8 S MERTZ [30.66, -88.08]

	08/12/16 09:40 CST		0	Flood (due to Heavy Rain)
	08/12/16 11:40 CST		0	Source: Broadcast Media

Multiple reports of water covered roads in downtown Mobile.

### BALDWIN COUNTY --- 2.0 SE ELBERTA [30.40, -87.58], 2.3 SE ELBERTA [30.40, -87.57], 2.0 SE ELBERTA [30.40, -87.58], 1.9 SE ELBERTA [30.40, -87.58]

	08/12/16 10:15 CST		0	Flash Flood (due to Heavy Rain)
	08/12/16 14:50 CST		0	Source: Emergency Manager

Water flowing over the road on County Road 87 south of Feely Road.

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Heavy rain produced flooding across portions of southwest Alabama.