

Storm Data and Unusual Weather Phenomena - September 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ILLINOIS, South

WABASH COUNTY --- 1.7 SSW MT CARMEL [38.40, -87.79], 1.6 SSE MT CARMEL [38.40, -87.76], 1.2 E MT CARMEL [38.42, -87.75], 0.7 WNW MT CARMEL [38.42, -87.78]				
	09/01/13 16:07 CST		0	Flash Flood (due to Heavy Rain)
	09/01/13 18:00 CST		0	Source: Public

Multiple roads were flooded in Mt. Carmel.

A cluster of thunderstorms remained nearly stationary over the Lower Wabash Valley, producing isolated flash flooding. The storms occurred during the warmest and most unstable time of the day, immediately ahead of a cold front over central Illinois.

KENTUCKY, Southwest

MUHLENBERG COUNTY --- BREMEN [37.37, -87.22]				
	09/01/13 00:07 CST		6K	Thunderstorm Wind (EG 52 kt)
	09/01/13 00:07 CST		0	Source: Law Enforcement

A few trees were blown down in Bremen, including one that landed on a power line.

MUHLENBERG COUNTY --- GREENVILLE [37.20, -87.18]				
	09/01/13 00:32 CST		3K	Thunderstorm Wind (EG 50 kt)
	09/01/13 00:32 CST		0	Source: Law Enforcement

A few trees were blown down in Greenville.

HENDERSON COUNTY --- HENDERSON [37.83, -87.58], CORYDON [37.73, -87.70]				
	09/01/13 00:34 CST		0	Heavy Rain
	09/01/13 03:30 CST		0	Source: Emergency Manager

County emergency management officials reported some roads were covered by water. A rainfall amount of 2.71 inches was measured just east of Henderson in about three hours.

This severe weather episode is a continuation of the one that began on the evening of August 31. A short line of storms accelerated southward across the Pennyrile region. These storms were in advance of a weak cold front that extended from central Indiana westward along Interstate 70 to the Mississippi River. The storms moved through a moderately unstable air mass with mixed-layer capes between 1000 and 2000 j/kg. A large area of stratiform rain in the wake of the squall line caused some minor flooding in the Henderson area.

CHRISTIAN COUNTY --- 0.4 SSW OAK GROVE [36.66, -87.43]				
	09/11/13 13:45 CST		5K	Thunderstorm Wind (EG 52 kt)
	09/11/13 13:45 CST		0	Source: Trained Spotter

Several trees and limbs were blown down.

TRIGG COUNTY --- CADIZ [36.87, -87.82]				
	09/11/13 15:45 CST		5K	Thunderstorm Wind (EG 52 kt)
	09/11/13 15:45 CST		0	Source: COOP Observer

Several trees were blown down along Route 139 through Cadiz and vicinity. A healthy one-foot diameter tree limb was down.

Isolated to scattered thunderstorms developed during the heat of the day in a weak southwest wind flow on the back side of high pressure. A couple of these storms produced strong gusty winds that took down trees.