

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
JEFFERSON COUNTY --- MT VERNON [38.32, -88.90], 2.0 E BLUFORD [38.33, -88.71]				
	05/01/16 18:15 CST		0	Hail (1.00 in)
	05/01/16 18:30 CST		0	Source: Public
Quarter-size hail occurred in a swath from Mount Vernon, east along Illinois Route 15, to the Wayne County line. The hailstorm was videotaped at a location two miles east of Bluford.				
Isolated thunderstorms formed in the warm sector of a weak low pressure center over central Illinois. One of these storms became severe during the warmest hours of the day.				
JEFFERSON COUNTY --- BOYD [38.42, -89.02], WOODLAWN [38.33, -89.03]				
	05/07/16 16:43 CST		2K	Thunderstorm Wind (EG 65 kt)
	05/07/16 16:50 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust to 75 mph at Boyd. In Woodlawn, a large tree limb was down across a power line.				
HAMILTON COUNTY --- 2.0 NE BELL PRAIRIE CITY [38.24, -88.54]				
	05/07/16 17:17 CST		0	Thunderstorm Wind (MG 53 kt)
	05/07/16 17:17 CST		0	Source: Trained Spotter
A trained spotter measured a wind gust to 61 mph.				
WAYNE COUNTY --- 5.0 SE MT ERIE [38.47, -88.16]				
	05/07/16 17:30 CST		4K	Thunderstorm Wind (EG 52 kt)
	05/07/16 17:30 CST		0	Source: Trained Spotter
Large tree limbs and branches were down.				
WHITE COUNTY --- NORRIS CITY [37.98, -88.32]				
	05/07/16 17:36 CST		0	Thunderstorm Wind (EG 52 kt)
	05/07/16 17:36 CST		0	Source: Trained Spotter
A trained spotter estimated the wind gusted to at least 60 mph.				
WHITE COUNTY --- CARMi [38.08, -88.17], CROSSVILLE [38.17, -88.07]				
	05/07/16 17:40 CST		18K	Thunderstorm Wind (EG 56 kt)
	05/07/16 17:40 CST		0	Source: Trained Spotter
In Carmi, snapped trees and power poles were reported. Winds gusted to near 65 mph at Crossville based on a report from a trained spotter.				
WABASH COUNTY --- MT CARMEL MUNI ARPT [38.60, -87.72], MT CARMEL [38.42, -87.77]				
	05/07/16 17:49 CST		60K	Thunderstorm Wind (MG 57 kt)
	05/07/16 17:52 CST		0	Source: AWOS
A wind gust to 66 mph was measured at the Mount Carmel Municipal Airport. In Mount Carmel, the roof was blown off of the middle school gym. About 500 gallons of rainwater was removed from the gym. Numerous trees and power lines were down throughout the city. Portions of the city were without power.				
A cold front approached the area later in the day on May 7th. A line of thunderstorms developed ahead of it in central Illinois down to near St. Louis during the afternoon hours. This line of storms then proceeded east/southeast along the I-64 corridor through the early evening hours. Damaging winds were the main impact from this bowing line of storms.				
POPE COUNTY --- 2.1 SSE BRISTOL [37.42, -88.71]				
	05/10/16 16:36 CST		0	Tornado (EF0, L: 0.05 mi , W: 20 yd)
	05/10/16 16:36 CST		0	Source: Trained Spotter
A trained spotter reported an apparent tornado west of Illinois Highway 145 between Dixon Springs and Glendale. The brief occurrence was in a heavily forested area of the Shawnee National Forest. No damage was located. The parent wall cloud was videotaped from the community of Brownfield.				
HARDIN COUNTY --- 0.5 SSW LOVES STORE [37.57, -88.28]				

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	05/10/16 16:56 CST		0	Tornado (EF0, L: 0.05 mi , W: 20 yd)
	05/10/16 16:56 CST		0	Source: NWS Storm Survey

A brief tornado touchdown occurred near the intersection of County Roads 555E and 700E. Some tree limbs were down. Peak winds were estimated near 70 mph.

A few supercells with isolated tornadoes affected southern Illinois during the late afternoon and early evening. Strong westerly upper-level winds associated with an upper-level low over northern Illinois provided ample wind shear for supercells. A southwest wind flow of moist and unstable air in the lower levels of the atmosphere provided fuel for the storms. Low-level winds up to around 40 knots provided enough low-level wind shear for tornadoes.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

05/11/16 00:00 CST	0	Dense Fog
05/11/16 07:00 CST	0	

Widespread dense fog blanketed southern Illinois during the late night and early morning hours. Heavy rainfall from thunderstorms the previous afternoon saturated the ground, which contributed to high humidity. During the night, light winds and periods of clear sky under an upper-level high were conducive for the formation of dense fog. Visibility below one-quarter mile was common, and a trained spotter near Mount Vernon reported less than a tenth of a mile in some areas.

WAYNE COUNTY --- 3.0 NW WAYNE CITY [38.38, -88.62], 3.0 SSE ORCHARDVILLE [38.46, -88.63]

05/11/16 14:15 CST	30K	Hail (1.50 in)
05/11/16 14:29 CST	0	Source: Emergency Manager

A slow-moving severe thunderstorm moved into western Wayne County, dumping quarter to ping-pong ball size hail between Wayne City and Orchardville.

WAYNE COUNTY --- FAIRFIELD [38.38, -88.37]

05/11/16 14:26 CST	80K	Hail (1.75 in)
05/11/16 14:41 CST	0	Source: Trained Spotter

A slow-moving severe thunderstorm crossed the city of Fairfield, producing a swath of quarter to golf-ball size hail across the city.

JEFFERSON COUNTY --- 4.0 WSW WALTONVILLE [38.20, -89.12]

05/11/16 14:45 CST	4K	Thunderstorm Wind (EG 52 kt)
05/11/16 14:45 CST	0	Source: Trained Spotter

Objects were blown off porches.

WABASH COUNTY --- 5.0 SSW COWLING [38.26, -87.98]

05/11/16 15:12 CST	0	Hail (1.75 in)
05/11/16 15:12 CST	0	Source: Emergency Manager

Golf-ball size hail was reported along the White County line, about a mile east of Grayville.

WAYNE COUNTY --- 5.0 SW MT ERIE [38.47, -88.30]

05/11/16 15:15 CST	0	Hail (1.25 in)
05/11/16 15:15 CST	0	Source: Trained Spotter

Small tree limbs were also down.

HAMILTON COUNTY --- DAHLGREN [38.20, -88.68]

05/11/16 15:18 CST	3K	Thunderstorm Wind (EG 52 kt)
05/11/16 15:18 CST	0	Source: Department of Highways

Two trees were blown down on roads in the Dahlgren area.

JEFFERSON COUNTY --- SCHELLER [38.18, -89.10], WALTONVILLE [38.22, -89.05]

05/11/16 15:24 CST	0	Hail (0.75 in)
05/11/16 15:32 CST	0	Source: Trained Spotter

WHITE COUNTY --- CROSSVILLE [38.17, -88.07]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/11/16 15:40 CST		3K	Thunderstorm Wind (EG 56 kt)
	05/11/16 15:40 CST		0	Source: Trained Spotter
Some roof shingles were torn off. A trained spotter estimated winds gusted to 65 mph.				
WABASH COUNTY --- 5.0 W MT CARMEL [38.42, -87.86]				
	05/11/16 15:57 CST		0	Thunderstorm Wind (EG 61 kt)
	05/11/16 15:57 CST		0	Source: Emergency Manager
Emergency management personnel estimated winds gusted from 65 to 70 mph on Route 15.				
FRANKLIN COUNTY --- 3.0 W CHRISTOPHER [37.97, -89.11]				
	05/11/16 16:15 CST		40K	Hail (1.50 in)
	05/11/16 16:15 CST		0	Source: Trained Spotter
These ping-pong ball size hailstones were photographed.				
PERRY COUNTY --- DU QUOIN [38.02, -89.23]				
	05/11/16 16:18 CST		50K	Hail (1.50 in)
	05/11/16 16:18 CST		0	Source: Law Enforcement
PERRY COUNTY --- DU QUOIN [38.02, -89.23]				
	05/11/16 17:24 CST		0	Hail (1.00 in)
	05/11/16 17:24 CST		0	Source: Trained Spotter
FRANKLIN COUNTY --- 0.7 ENE CLEBURNE [37.93, -89.04]				
	05/11/16 17:34 CST		0	Tornado (EF0, L: 0.05 mi , W: 30 yd)
	05/11/16 17:34 CST		0	Source: Trained Spotter
A trained spotter reported a very brief tornado. The rural area where this occurred was just east of Illinois 148 and a few miles west-northwest of Orient. No damage was found.				
FRANKLIN COUNTY --- 1.0 W CHRISTOPHER [37.97, -89.07], 0.5 W CHRISTOPHER [37.97, -89.06]				
	05/11/16 17:48 CST		0	Hail (0.75 in)
	05/11/16 17:48 CST		0	Source: Amateur Radio
FRANKLIN COUNTY --- 2.0 E BENTON [38.00, -88.88]				
	05/11/16 18:01 CST		0	Hail (0.75 in)
	05/11/16 18:01 CST		0	Source: Trained Spotter
JACKSON COUNTY --- 2.0 NW MURPHYSBORO [37.79, -89.36], 2.0 N MURPHYSBORO [37.80, -89.33]				
	05/11/16 18:04 CST		0	Hail (0.75 in)
	05/11/16 18:08 CST		0	Source: Public
WILLIAMSON COUNTY --- 1.0 NE MARION [37.74, -88.92]				
	05/11/16 18:09 CST		0	Hail (0.88 in)
	05/11/16 18:09 CST		0	Source: Trained Spotter
FRANKLIN COUNTY --- 2.3 SE FRANKFORT HGTS [37.87, -88.88], 0.4 SE EZRA [37.88, -88.96], MULKEYTOWN [37.97, -89.12], 0.9 W STEEL CITY [38.00, -88.90]				
	05/11/16 18:25 CST		0	Flash Flood (due to Heavy Rain)
	05/11/16 20:00 CST		0	Source: Trained Spotter
Significant street flooding occurred. Water reached the height of a car bumper on a residential side street in West Frankfort. Flash flooding was reported one-half mile east of Benton on Highway 34. A trained spotter in Mulkeytown measured 1.5 to 1.75 inches of rain in 30 minutes.				
GALLATIN COUNTY --- EQUALITY [37.73, -88.33]				
	05/11/16 18:26 CST		0	Hail (0.75 in)
	05/11/16 18:26 CST		0	Source: Emergency Manager

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WILLIAMSON COUNTY --- MARION [37.73, -88.93]				
	05/11/16 18:29 CST		0	Hail (1.00 in)
	05/11/16 18:29 CST		0	Source: Trained Spotter
WILLIAMSON COUNTY --- 0.8 SE TIMMONS [37.71, -88.96], 1.7 SE MARION [37.71, -88.91], 1.0 SSE SPILLERTOWN [37.76, -88.91], 1.8 WSW SPILLERTOWN [37.76, -88.95]				
	05/11/16 18:40 CST		0	Flash Flood (due to Heavy Rain)
	05/11/16 20:00 CST		0	Source: Trained Spotter
Numerous streets were flooded in the eastern part of Marion. A trained spotter measured one to two inches of rain in an hour.				
POPE COUNTY --- 6.0 N EDDYVILLE [37.59, -88.58]				
	05/11/16 18:48 CST		0	Hail (0.75 in)
	05/11/16 18:48 CST		0	Source: Trained Spotter
SALINE COUNTY --- HARRISBURG [37.73, -88.55]				
	05/11/16 18:55 CST		0	Hail (0.75 in)
	05/11/16 18:55 CST		0	Source: Amateur Radio
PERRY COUNTY --- 1.9 NW PINCKNEYVILLE [38.10, -89.40], 1.8 NE PINCKNEYVILLE [38.10, -89.36], 1.7 WNW DENNY [38.06, -89.36], 1.6 SW PINCKNEYVILLE [38.06, -89.40], 3.0 W PINCKNEYVILLE [38.08, -89.44]				
	05/11/16 21:38 CST		10K	Flash Flood (due to Heavy Rain)
	05/11/16 23:45 CST		0	Source: Emergency Manager
Water was over Highway 127 south of Pinckneyville. One car was stalled. West of Pinckneyville, two cars were stalled due to flooding on Highway 154. Water was over a few other roads in the city.				
JACKSON COUNTY --- 0.5 SW CARBONDALE [37.71, -89.23]				
	05/11/16 22:16 CST		5K	Thunderstorm Wind (EG 52 kt)
	05/11/16 22:16 CST		0	Source: Trained Spotter
Several large tree limbs were blown down in the southwest part of the city.				
WHITE COUNTY --- 1.0 NNW MIDDLEPOINT [37.94, -88.31], 4.4 NNW GOSSETT [37.97, -88.41], 4.9 W ENFIELD [38.11, -88.42], 2.3 WSW GARNERVILLE [38.11, -88.09]				
	05/11/16 22:35 CST		5K	Flash Flood (due to Heavy Rain)
	05/12/16 01:15 CST		0	Source: Law Enforcement
Widespread street flooding was reported across Norris City. In Carmi, several roads were flooded. Water was over other roads in the county, including the intersection of Illinois Route 1 and U.S. 45 near Norris City. Water was over Illinois Route 14 about three miles west of Carmi and over U.S. 45 near Highway 18. A motorist in a stalled car near the Hamilton County line required assistance.				
<p>During the afternoon, multi-cell thunderstorm clusters developed along a warm front that was oriented from west to east along the Interstate 64 corridor. Surface dew points near and south of the front were in the lower 70's, which contributed to strong instability. Thunderstorm clusters moved eastward along the warm front, but they also developed southward into the strongest instability. Moderately strong deep-layer wind shear resulted in organized clusters of multi-cells with large hail and isolated wind damage. Flash flooding of streets was also reported in a few cities. A secondary line of storms arrived late in the evening and then crossed much of southern Illinois overnight. This line included a bowing line segment that produced isolated wind damage. The secondary line produced flash flooding due to saturated ground from the first round of storms.</p>				
JACKSON COUNTY --- 2.6 W MURPHYSBORO [37.77, -89.38], 2.8 W MURPHYSBORO [37.76, -89.38], 0.9 WSW MT CARBON [37.74, -89.35], 1.4 WNW MT CARBON [37.76, -89.35]				
	05/14/16 19:00 CST		0	Flood (due to Heavy Rain)
	05/20/16 09:00 CST		0	Source: River/Stream Gage
Minor flooding occurred along the Big Muddy River. Some low-lying fields and woodlands were underwater, including parts of a city park in Murphysboro.				
<p>Periodic rounds of heavy rain caused rises on the region's rivers. Heavy rain upstream in the Mississippi Valley caused minor flooding on the Mississippi River down to southern Illinois. This same water backed up the Big Muddy River and contributed to minor flooding around Murphysboro.</p>				
WILLIAMSON COUNTY --- 1.0 N CARTERVILLE [37.76, -89.08]				

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	05/26/16 09:11 CST		0	Hail (1.00 in)
	05/26/16 09:11 CST		0	Source: Broadcast Media

A television news crew videotaped quarter-size hail.

WILLIAMSON COUNTY --- HERRIN [37.80, -89.03], 1.0 N HERRIN [37.81, -89.03]

	05/26/16 09:11 CST		0	Hail (0.88 in)
	05/26/16 09:12 CST		0	Source: Broadcast Media

Dime to nickel-size hail was reported in Herrin and just north of town.

UNION COUNTY --- 1.6 NW JONESBORO [37.47, -89.29], 1.4 SW JONESBORO [37.44, -89.29], 1.7 NNW BALCOM [37.44, -89.21], 2.4 E ANNA [37.47, -89.21]

	05/26/16 10:30 CST		15K	Flash Flood (due to Heavy Rain)
	05/26/16 14:00 CST		0	Source: Broadcast Media

Major street flooding occurred in Anna, including portions of Illinois Route 146. Illinois Route 146 was closed in Anna after a couple of vehicles became submerged. Numerous streets were flooded in Jonesboro. A rainfall amount of 2.80 inches was measured in about 90 minutes.

ALEXANDER COUNTY --- 2.0 NW OLIVE BRANCH [37.19, -89.38]

	05/26/16 12:12 CST		0	Hail (1.00 in)
	05/26/16 12:12 CST		0	Source: Law Enforcement

A southerly wind flow of very moist and unstable air fed a slow-moving thunderstorm complex. To the south of the complex, surface dew points were in the lower 70's and instability was quite high. An outflow boundary moved southward ahead of the storms, providing the lift necessary for new storms to develop. The result was locally very heavy rainfall as storms repeatedly moved over the same areas. Isolated storms produced large hail.

INDIANA, Southwest

GIBSON COUNTY --- 1.0 NNW HAZLETON [38.49, -87.54], 0.8 N HAZLETON [38.49, -87.53], 1.3 WSW GIRO [38.50, -87.49], 1.8 NE HAZLETON [38.50, -87.51], 1.5 N HAZLETON [38.50, -87.53]

	05/01/16 09:00 CST		3K	Flood (due to Heavy Rain)
	05/07/16 20:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the White River. Floodwaters covered the Hazleton softball field. One or two lightly travelled roads were underwater and impassable. Many low-lying fields were inundated. Low-lying oil fields were flooded. High water isolated some river cabins.

PIKE COUNTY --- PETERSBURG [38.50, -87.28], 1.4 NNE PETERSBURG [38.52, -87.27], 3.9 NE PETERSBURG [38.54, -87.23], 4.8 NNW ALGIERS [38.55, -87.19]

	05/01/16 09:00 EST		0	Flood (due to Heavy Rain)
	05/07/16 20:00 EST		0	Source: River/Stream Gage

Minor flooding occurred along the White River. Bottomland woods and fields were flooded. Many of the following county roads were flooded. East of State Route 57, these roads included CR 750N, CR 600N, and CR 1000E. West of State Route 57, these roads included CR 250W, CR 400W, CR 675N, CR 700N, CR 1000W, CR 900W, CR 700W and CR 775W. Low oil fields were flooded.

Minor flooding occurred on the White River during the first week of May. This flooding was the result of heavy rain in late April. Clusters and lines of thunderstorms occurred in southern Indiana on consecutive days in late April.

SPENCER COUNTY --- 2.0 N SANTA CLAUS [38.15, -86.90]

	05/01/16 14:00 CST		0	Hail (0.75 in)
	05/01/16 14:00 CST		0	Source: Broadcast Media

There were also wind gusts estimated near 50 mph.

SPENCER COUNTY --- ROCKPORT [37.88, -87.05]

	05/01/16 17:36 CST		0	Hail (1.00 in)
	05/01/16 17:36 CST		0	Source: Trained Spotter

Isolated thunderstorms formed in the warm sector of a weak low pressure center over central Illinois. A few of these storms produced dime to quarter-size hail during the warmest hours of the day, prior to nocturnal cooling.

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POSEY COUNTY --- 1.0 NNE MT VERNON [37.94, -87.89]				
	05/07/16 17:54 CST		0	Thunderstorm Wind (MG 50 kt)
	05/07/16 17:54 CST		0	Source: Broadcast Media
A wind gust to 58 mph was measured at a CWOP weather observation site on the north side of Mount Vernon.				
GIBSON COUNTY --- PRINCETON [38.35, -87.57]				
	05/07/16 17:58 CST		0	Thunderstorm Wind (EG 52 kt)
	05/07/16 17:58 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust of 55 to 60 mph.				
VANDERBURGH COUNTY --- DARMSTADT [38.10, -87.58], 2.0 NE EVANSVILLE [38.00, -87.52]				
	05/07/16 18:07 CST		10K	Thunderstorm Wind (EG 65 kt)
	05/07/16 18:10 CST		0	Source: Trained Spotter
Near Darmstadt, many trees were uprooted, and large limbs were blown down. Just south of the Evansville airport, a trained spotter estimated a wind gust near 60 mph.				
WARRICK COUNTY --- NEWBURGH [37.95, -87.42]				
	05/07/16 18:21 CST		3K	Thunderstorm Wind (EG 61 kt)
	05/07/16 18:28 CST		0	Source: Trained Spotter
A large carport of the type for recreational vehicles was blown over. A trained spotter estimated a wind gust to 70 mph.				
PIKE COUNTY --- 0.9 E ALGIERS [38.48, -87.15], 2.0 NE OTWELL [38.47, -87.07]				
	05/07/16 19:20 EST		50K	Tornado (EF1, L: 4.33 mi , W: 70 yd)
	05/07/16 19:24 EST		0	Source: NWS Storm Survey
The tornado began along Highway 356 and then turned more east along East County Road 325N. The tornado ended right near the Dubois County line. Most of the damage near Highway 356 was tree damage. Where the tornado crossed County Road 850E, one home received substantial damage. The attached garage was blown down, and some windows and doors were broken. A farm building and a small shed were blown down. Dozens of trees along the path were broken or uprooted. Peak winds were estimated near 90 mph.				
PIKE COUNTY --- 4.0 NE PETERSBURG [38.54, -87.23], PETERSBURG [38.50, -87.28]				
	05/07/16 19:20 EST		10K	Thunderstorm Wind (MG 54 kt)
	05/07/16 19:30 EST		0	Source: Trained Spotter
A trained spotter measured a wind gust to 62 mph four miles northeast of Petersburg. Trees and branches were down across roadways and a nearby railroad track. In Petersburg, a trained spotter measured a wind gust to 62 mph. Numerous trees were down along roadways.				
A cold front approached the area later in the day on May 7th. A line of thunderstorms developed ahead of it in central Illinois down to near St. Louis during the afternoon hours. This line of storms then proceeded east/southeast along the I-64 corridor through the early evening hours. Damaging winds were the main impact from this bowing line of storms. There was one confirmed tornado that touched down in Pike County, east of Petersburg.				
(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	05/11/16 00:00 CST		0	Dense Fog
	05/11/16 06:00 CST		0	
Widespread dense fog blanketed southwest Indiana during the late night and early morning hours. Heavy rainfall from thunderstorms the previous afternoon saturated the ground, which contributed to high humidity. During the night, light winds and periods of clear sky under an upper-level high were conducive for the formation of dense fog. Visibility below one-quarter mile was common.				
GIBSON COUNTY --- 1.0 S JOHNSON [38.27, -87.75], 1.2 ESE JOHNSON [38.28, -87.73]				
	05/11/16 16:02 CST		5K	Tornado (EF1, L: 1.48 mi , W: 25 yd)
	05/11/16 16:03 CST		0	Source: NWS Storm Survey
Trees were snapped and uprooted. The tornado track ended on Indiana Route 165 about two miles west of Owensville. Maximum winds were estimated near 95 mph.				
GIBSON COUNTY --- OWENSVILLE [38.27, -87.68]				

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	05/11/16 16:16 CST		10K	Thunderstorm Wind (EG 61 kt)
	05/11/16 16:25 CST		0	Source: Trained Spotter

Four large trees were blown down on a residential street. A trained spotter reported debris was flying through the air. A barn roof was blown off. Some large tree limbs were blown down.

VANDERBURGH COUNTY --- 2.0 NW MC CUTCHANVILLE [38.09, -87.56], 2.2 SSE BELKNAP [37.95, -87.67]

05/11/16 16:17 CST	10K	Thunderstorm Wind (MG 62 kt)
05/11/16 16:25 CST	0	Source: Broadcast Media

A swath of moderate tree damage occurred in the northern and western parts of the Evansville metro area. About three miles north of Evansville in Igleheart Park, many large oak trees were snapped, including some that were two to three feet in diameter. Several other tree limbs were downed, including some up to 15 feet long and three inches in diameter. On the north side of Evansville, a large tree fell on a house, causing minor to moderate damage. Just southwest of Evansville near the University of Southern Indiana, a fallen tree blocked a street and winds gusted to 71 mph. A couple miles northwest of McCutchanville, two-inch diameter tree limbs were blown down. The damaging winds occurred along a gust front just ahead of the leading edge of precipitation.

GIBSON COUNTY --- 0.5 W OWENSVILLE [38.27, -87.69]

05/11/16 16:32 CST	0	Hail (1.00 in)
05/11/16 16:32 CST	0	Source: Trained Spotter

VANDERBURGH COUNTY --- 5.0 SE EVANSVILLE [37.93, -87.49]

05/11/16 16:38 CST	0	Thunderstorm Wind (EG 50 kt)
05/11/16 16:38 CST	0	Source: Trained Spotter

Just southeast of Evansville, wind gusts from 50 to 60 mph were estimated in the Angel Mounds area.

GIBSON COUNTY --- 1.3 NW OWENSVILLE [38.28, -87.70], 1.1 NE OWENSVILLE [38.28, -87.67], 0.9 SE OWENSVILLE [38.26, -87.67], 1.6 WSW OWENSVILLE [38.26, -87.71]

05/11/16 16:40 CST	0	Flood (due to Heavy Rain)
05/11/16 18:00 CST	0	Source: Trained Spotter

A trained spotter reported a few streets were underwater in Owensville, following three inches of rain during a severe thunderstorm.

WARRICK COUNTY --- 1.0 NE LYNNVILLE [38.21, -87.29]

05/11/16 16:58 CST	0	Tornado (EF0, L: 0.05 mi , W: 20 yd)
05/11/16 16:58 CST	0	Source: Trained Spotter

A trained spotter reported a very brief tornado just west of the Interlake State Recreation Area and east of Indiana Highway 61. No damage was located in this rural area.

VANDERBURGH COUNTY --- 5.0 SE EVANSVILLE [37.93, -87.49]

05/11/16 17:02 CST	0	Thunderstorm Wind (EG 52 kt)
05/11/16 17:02 CST	0	Source: Trained Spotter

For the second time in a half-hour, wind gusts from 50 to 60 mph were estimated in the Angel Mounds area.

PIKE COUNTY --- WINSLOW [38.38, -87.22]

05/11/16 18:00 EST	3K	Thunderstorm Wind (EG 52 kt)
05/11/16 18:00 EST	0	Source: Emergency Manager

A couple of power lines were down.

PIKE COUNTY --- 7.0 SE WINSLOW [38.31, -87.13]

05/11/16 18:15 EST	0	Hail (0.75 in)
05/11/16 18:15 EST	0	Source: Trained Spotter

Wind gusts were estimated to at least 55 mph.

POSEY COUNTY --- MT VERNON [37.93, -87.90], 0.1 SSW MT VERNON ARPT [37.93, -87.88], 0.6 NNE MT VERNON ARPT [37.94, -87.88], 0.9 N MT VERNON [37.94, -87.90]

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/11/16 23:00 CST		0	Flood (due to Heavy Rain)
	05/12/16 01:15 CST		0	Source: Law Enforcement

Street flooding was reported in Mount Vernon, including flooding of the main streets.

During the afternoon, multi-cell thunderstorm clusters developed along a warm front that was oriented from west to east along the Interstate 64 corridor. Surface dew points near and south of the front were in the lower 70's, which contributed to strong instability. Thunderstorm clusters moved eastward along the warm front, but they also developed southward into the strongest instability. Moderately strong deep-layer wind shear resulted in the formation of an organized mesoscale convective system accompanied by locally damaging winds, isolated large hail, and isolated street flooding. There was also an isolated tornado associated with a short-lived supercell structure. A second line of storms arrived late in the evening and continued overnight. This second line produced isolated street flooding.

VANDERBURGH COUNTY --- EVANSVILLE [37.98, -87.55], 1.0 SE EVANSVILLE [37.97, -87.54]

05/29/16 14:40 CST	0	Hail (0.75 in)
05/29/16 14:46 CST	0	Source: Trained Spotter

Dime-size hail was reported in and just southeast of Evansville. Small branches less than an inch in diameter were blown down in the city.

A well-developed, compact 500 mb shortwave moved eastward from the Upper Mississippi Valley to the Upper Midwest. Isolated thunderstorms developed with afternoon heating along the tail end of the shortwave. The storms produced gusty winds and dime-size hail in the Evansville area.

KENTUCKY, Southwest

CALLOWAY COUNTY --- 1.4 NNE TAYLORS STORE [36.55, -88.41], MIDWAY [36.55, -88.32]

05/01/16 12:35 CST	10K	Thunderstorm Wind (EG 61 kt)
05/01/16 12:50 CST	0	Source: Emergency Manager

Southwest of Murray near the community of Taylors Store, three to four very large oak trees were broken. Wires were down. The damage was along and near Highway 1828. At Midway, a ten-inch diameter tree was broken.

CALLOWAY COUNTY --- HAZEL [36.50, -88.32]

05/01/16 12:50 CST	0	Hail (1.00 in)
05/01/16 12:50 CST	0	Source: Public

HENDERSON COUNTY --- 1.5 ESE HEBBARDSVILLE [37.76, -87.34]

05/01/16 17:13 CST	0	Hail (1.00 in)
05/01/16 17:13 CST	0	Source: Emergency Manager

Isolated thunderstorms formed in the warm sector of a weak low pressure center over central Illinois. A few of these storms became severe during the warmest hours of the day, prior to nocturnal cooling. A few damaging wind gusts and isolated large hail events occurred.

MUHLENBERG COUNTY --- 1.0 W GREENVILLE [37.20, -87.20]

05/04/16 13:36 CST	0	Hail (1.00 in)
05/04/16 13:36 CST	0	Source: Law Enforcement

Scattered low-topped showers and thunderstorms formed near a cold front that trailed southwest from a low over Michigan. Many of the cells produced hail due to very cold temperatures aloft, which were associated with an upper-level low over Indiana. Most of the hail was small, but a storm briefly became severe in the Pennyrite region.

HENDERSON COUNTY --- HENDERSON [37.83, -87.58]

05/07/16 18:19 CST	6K	Thunderstorm Wind (EG 56 kt)
05/07/16 18:19 CST	0	Source: Amateur Radio

A tree and power poles were down.

A cold front approached the area later in the day on May 7th. A line of thunderstorms developed ahead of it in central Illinois down to near St. Louis during the afternoon hours. This line of storms then proceeded east/southeast along the I-64 corridor through the early evening hours. The storms significantly weakened as they reached northwest Kentucky, but not before causing isolated wind damage in Henderson.

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DAVIESS COUNTY --- WEST LOUISVILLE [37.70, -87.28], 3.5 ESE SORGHO [37.73, -87.19]				
	05/10/16 11:50 CST		0.25M	Hail (2.00 in)
	05/10/16 12:00 CST		0	Source: Public
A severe thunderstorm produced a wide swath of very large hail across western Daviess County . Hailstones the size of hen eggs were reported at West Louisville. The hail swath extended as far north as Sorgho, where half-dollar size hail fell. On the south side of the swath, golf ball size hail was reported on Highway 81 near Panther.				
DAVIESS COUNTY --- 1.0 W OWENSBORO [37.77, -87.14], OWENSBORO [37.77, -87.12]				
	05/10/16 12:00 CST		6K	Thunderstorm Wind (EG 56 kt)
	05/10/16 12:05 CST		0	Source: Trained Spotter
A trained spotter one mile west of Owensboro reported lots of pea -sized hail along with estimated wind gusts of 60 mph. Trees were down on homes in at least two locations in the city.				
DAVIESS COUNTY --- 2.0 SW OWENSBORO [37.75, -87.15], 1.0 E OWENSBORO [37.77, -87.10]				
	05/10/16 12:03 CST		1M	Hail (2.00 in)
	05/10/16 12:11 CST		0	Source: Trained Spotter
A major hailstorm continued east-northeast across the Owensboro area from western Daviess County. The largest hail fell on the south and southwest sides of the city. Hailstones up to the size of hen eggs fell a couple miles southwest of downtown Owensboro. In Owensboro, there was a report of golf-ball size hail. On the east side of the city, quarter-size hail fell. Many homes and vehicles sustained minor damage.				
DAVIESS COUNTY --- WHITESVILLE [37.68, -86.88]				
	05/10/16 12:28 CST		0	Hail (1.00 in)
	05/10/16 12:28 CST		0	Source: Public
DAVIESS COUNTY --- WHITESVILLE [37.68, -86.88]				
	05/10/16 12:28 CST		7K	Thunderstorm Wind (EG 56 kt)
	05/10/16 12:28 CST		0	Source: Newspaper
A large tree fell across Kentucky 54. The porch of a home was struck.				
DAVIESS COUNTY --- 1.9 WNW OWENSBORO [37.78, -87.15], 1.1 SSE (OWB)OWENSBORO ARPT [37.74, -87.16], 2.8 SW DOYLE [37.72, -87.11], 0.6 NW DOYLE [37.76, -87.08], 1.9 ENE OWENSBORO [37.78, -87.09]				
	05/10/16 12:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	05/10/16 16:00 CST		0	Source: Emergency Manager
Numerous roads in the city of Owensboro were impassable. Numerous cars were stranded in floodwaters. Storm drains became clogged with hail, which aggravated the flash flooding. At an Owensboro shopping mall, a car was submerged up to the driver's side window. City police advised people to stay off the roads. Some roads were flooded that do not normally flood. At the Owensboro airport, about one inch of rain fell in 25 minutes, and about 1.5 inches fell in an hour. The rainfall total at the Owensboro airport for May 10th was 2.46 inches.				
GRAVES COUNTY --- 3.1 ENE DUBLIN [36.76, -88.75], 1.2 NE HICKSVILLE [36.81, -88.48]				
	05/10/16 13:44 CST		3.50M	Tornado (EF3, L: 15.35 mi , W: 450 yd)
	05/10/16 14:16 CST	10	0	Source: NWS Storm Survey
Dozens of structures were destroyed, including mobile homes, businesses, barns, and garages. Several homes received major damage or were destroyed. Many dozens of other homes and businesses received minor damage, mainly loss of shingles and fascia. Several dozen cars were damaged or destroyed. Some cars were tossed around and lofted atop other cars or structures. Thousands of trees were snapped, uprooted, or broken. The tornado was captured on video or camera by numerous individuals. The tornado appeared to have more than one vortex at several different points along its path . The tornado moved through some residential and commercial neighborhoods just outside the northern city limits of Mayfield. A car dealership on U.S. Highway 45 right near the city limit received extensive damage, including the loss of almost all 40 vehicles on the lot as well as a nearby storage building. The peak wind speed of 140 mph was assigned at this car lot. A "flea market" type of business on Highway 121 just outside Mayfield was destroyed by winds near 135 mph. Once the tornado reached the northern edge of Mayfield, it tracked almost parallel to the Purchase Parkway (future Interstate 69). The center of the tornado stayed about one-half mile north of the parkway, crossing Kentucky Highways 131 and 301 prior to reaching the Marshall County line. The average path width was approximately 300 yards. Peak wind speeds were estimated near 140 mph. The tornado continued into Marshall County very close to where the parkway crosses the county line.				
LIVINGSTON COUNTY --- 2.0 N LAKE CITY [37.06, -88.25]				
	05/10/16 14:05 CST		50K	Thunderstorm Wind (EG 56 kt)
	05/10/16 14:05 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Many trees were blown down. There was damage to cell phone towers. The damage was near mile marker 34 on Interstate 24.

MARSHALL COUNTY --- 3.6 W HARVY [36.81, -88.48], 1.1 NNW HARVY [36.83, -88.42]

	05/10/16 14:16 CST		50K	Tornado (EF1, L: 3.68 mi , W: 200 yd)
	05/10/16 14:24 CST		0	Source: NWS Storm Survey

The tornado entered Marshall County from Graves County less than a mile south of where the Purchase Parkway crosses the county line. The tornado remained along the south side of the Purchase Parkway (future Interstate 69) until it lifted about four miles west-southwest of downtown Benton. The tornado was considerably weaker in the Marshall County portion of its track than in Graves County, where the tornado produced EF-3 damage. In Marshall County, a wooden barn was destroyed, and a single-wide mobile home was rolled over. However, most of the damage consisted of trees uprooted and snapped by winds between 90 and 100 mph.

MARSHALL COUNTY --- BENTON [36.87, -88.35]

	05/10/16 14:25 CST		0	Hail (1.00 in)
	05/10/16 14:25 CST		0	Source: Public

LYON COUNTY --- 3.8 SW MONT [36.91, -88.09]

	05/10/16 14:55 CST		0	Tornado (EF0, L: 0.05 mi , W: 30 yd)
	05/10/16 14:55 CST		0	Source: NWS Storm Survey

A very weak, short-lived tornado crossed the Woodlands Trace National Scenic Byway . A few small tree limbs were broken in this wooded area of the Land-Between-The-Lakes National Recreation Area . Peak winds were estimated near 65 mph.

LYON COUNTY --- LAMASCO [36.98, -87.92]

	05/10/16 15:14 CST		0	Funnel Cloud
	05/10/16 15:14 CST		0	Source: Trained Spotter

A trained spotter observed a funnel cloud from Interstate 24 near the 54 mile marker.

WEBSTER COUNTY --- PROVIDENCE [37.40, -87.77]

	05/10/16 15:20 CST		10K	Hail (1.50 in)
	05/10/16 15:20 CST		0	Source: Trained Spotter

HOPKINS COUNTY --- HANSON [37.42, -87.48]

	05/10/16 15:42 CST		0	Hail (0.75 in)
	05/10/16 15:42 CST		0	Source: Trained Spotter

HOPKINS COUNTY --- 2.0 NE HANSON [37.44, -87.45], 4.8 NNE ANTON [37.41, -87.33]

	05/10/16 15:50 CST		50K	Hail (1.75 in)
	05/10/16 16:05 CST		0	Source: CoCoRaHS

A swath of large hail occurred in association with a supercell across northeast Hopkins County . A couple miles northeast of Hanson , hailstones up to the size of golf balls produced depressions in freshly plowed farm fields. Cars were dented, and shingles were damaged. The ground was completely covered by hail following the storm. The large hail continued eastward to the Mclean County line.

CHRISTIAN COUNTY --- CROFTON [37.05, -87.48]

	05/10/16 16:01 CST		0	Funnel Cloud
	05/10/16 16:01 CST		0	Source: Trained Spotter

The funnel cloud eventually touched down just before crossing into Muhlenberg County.

CHRISTIAN COUNTY --- CROFTON [37.05, -87.48]

	05/10/16 16:03 CST		0	Hail (1.00 in)
	05/10/16 16:03 CST		0	Source: Trained Spotter

HOPKINS COUNTY --- 2.0 E HANSON [37.42, -87.44], 4.0 E HANSON [37.42, -87.41]

	05/10/16 16:04 CST		0	Funnel Cloud
	05/10/16 16:10 CST		0	Source: Trained Spotter

The funnel cloud was observed by a trained spotter looking east from the Hanson exit on Interstate 69.

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHRISTIAN COUNTY --- 0.9 N APEX [37.11, -87.35], 2.3 NE APEX [37.12, -87.32]				
	05/10/16 16:25 CST		10K	Tornado (EF1, L: 1.69 mi , W: 100 yd)
	05/10/16 16:28 CST		0	Source: NWS Storm Survey
<p>The tornado touched down near Kentucky Highway 813, where a couple of barns sustained moderate to heavy damage. A few trees were down. Several emergency management officials witnessed the tornado, which was captured on camera. Peak winds in this portion of the path were estimated near 90 mph. The tornado continued moving east-northeast across woods and fields into Muhlenberg County.</p>				
MUHLENBERG COUNTY --- 5.0 SW BANCROFT [37.12, -87.32], 1.5 SW BANCROFT [37.16, -87.27]				
	05/10/16 16:28 CST		0.13M	Tornado (EF1, L: 3.59 mi , W: 100 yd)
	05/10/16 16:35 CST		0	Source: NWS Storm Survey
<p>The tornado entered Muhlenberg County from Christian County along Highway 189, where downed trees blocked the road along a stretch one-half mile long. A house near the county line sustained minor damage. Utility lines and trees were brought down across Highway 189. A few barns were destroyed. A couple dozen trees were down. A home sustained considerable damage to the roof, including a few rafters that were blown away. The back deck of the home was destroyed. Another home near the end of the damage path sustained minor roof damage. The tornado was witnessed by a number of people, including at least two witnesses who videotaped it. Peak winds were estimated near 105 mph.</p>				
MUHLENBERG COUNTY --- 5.0 SW BANCROFT [37.12, -87.31]				
	05/10/16 16:30 CST		0	Hail (1.75 in)
	05/10/16 16:30 CST		0	Source: Public
MUHLENBERG COUNTY --- 1.0 S GREENVILLE [37.19, -87.18], BEECH CREEK [37.18, -87.07]				
	05/10/16 16:40 CST		0.10M	Hail (2.75 in)
	05/10/16 16:49 CST		0	Source: Trained Spotter
<p>A swath of very large hail fell across central Muhlenberg County. Baseball-size hail was reported about a mile south of Greenville. The large hail swath continued eastward to Beech Creek, where hail was the size of golf balls. This large hail swath was associated with the same supercell thunderstorm that spawned the tornado in southwest Muhlenberg County.</p>				
UNION COUNTY --- 1.5 SSE SPRING GROVE [37.66, -88.02], 1.9 NNW HAMNER [37.68, -87.96]				
	05/10/16 17:06 CST		25K	Tornado (EF1, L: 3.66 mi , W: 50 yd)
	05/10/16 17:14 CST		0	Source: NWS Storm Survey
<p>Numerous trees were snapped or uprooted in this tornado, which ended a couple miles west of Morganfield. The tornado was witnessed by a trained spotter. Peak winds were estimated near 90 mph.</p>				
TRIGG COUNTY --- 4.0 N CADIZ [36.93, -87.82]				
	05/10/16 17:24 CST		0	Hail (0.75 in)
	05/10/16 17:24 CST		0	Source: Trained Spotter
CRITTENDEN COUNTY --- TOLU [37.43, -88.25]				
	05/10/16 17:28 CST		0	Hail (1.00 in)
	05/10/16 17:28 CST		0	Source: Emergency Manager
CALDWELL COUNTY --- FARMERSVILLE [37.20, -87.88]				
	05/10/16 17:33 CST		0	Hail (1.00 in)
	05/10/16 17:33 CST		0	Source: Public
CALDWELL COUNTY --- 2.0 NE COBB [37.00, -87.74]				
	05/10/16 17:35 CST		0	Hail (1.50 in)
	05/10/16 17:35 CST		0	Source: Trained Spotter
CALDWELL COUNTY --- 1.0 E COBB [36.98, -87.75]				
	05/10/16 17:41 CST		0	Funnel Cloud
	05/10/16 17:41 CST		0	Source: Trained Spotter
TRIGG COUNTY --- CERULEAN [36.97, -87.72]				

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/10/16 18:00 CST		80K	Hail (2.50 in)
	05/10/16 18:07 CST		0	Source: Trained Spotter

Hail up to the size of tennis balls fell for about seven minutes. This supercell thunderstorm also spawned a weak tornado in the Cerulean area.

TRIGG COUNTY --- 1.8 W BUFFALO [36.93, -87.70], 1.1 NNW BUFFALO [36.94, -87.68]				
	05/10/16 18:17 CST		20K	Tornado (EF0, L: 1.57 mi , W: 100 yd)
	05/10/16 18:21 CST		0	Source: NWS Storm Survey

This tornado destroyed an older wooden barn along Highway 126 just north of Highway 128. A newer wooden barn was heavily damaged near the end of the damage path. Since the path was across open fields, there was little other evidence of damage. The tornado was witnessed by several people, including a state trooper and a trained spotter. The tornado lifted less than a mile from the Christian County line. Peak winds were estimated near 80 mph.

CHRISTIAN COUNTY --- 2.3 SW SINKING FORK [36.91, -87.61]				
	05/10/16 18:29 CST		0	Tornado (EF0, L: 0.02 mi , W: 30 yd)
	05/10/16 18:29 CST		0	Source: Trained Spotter

A tornado was witnessed and photographed north of U.S. Highway 68 in western Christian County. The touchdown appeared to be brief. The affected area was primarily fields, and little if any damage was reported. This tornado was spawned from the same supercell that produced a weak tornado near Cerulean in Trigg County. The maximum winds were estimated near 60 mph.

CHRISTIAN COUNTY --- 2.5 ESE PLEASANT GREEN HILL [36.91, -87.48]				
	05/10/16 18:45 CST		0	Tornado (EF0, L: 0.02 mi , W: 20 yd)
	05/10/16 18:45 CST		0	Source: Trained Spotter

A trained spotter sighted a tornado on the west side of U.S. Highway 41 near Lake Blythe. The touchdown appeared to be brief. This tornado was spawned from the same supercell that produced a brief tornado in western Christian County north of Highway 68. Maximum winds were estimated near 70 mph.

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48], 2.0 NE HOPKINSVILLE [36.87, -87.45]				
	05/10/16 19:37 CST		0	Hail (1.00 in)
	05/10/16 19:41 CST		0	Source: Trained Spotter

A thunderstorm intensified as it moved over Hopkinsville. Hailstones were up to the size of quarters, mainly on the northeast side of the city.

An outbreak of supercells with large hail and isolated tornadoes affected western Kentucky during the afternoon and early evening. The initial round of thunderstorms occurred early in the afternoon over northwest Kentucky. These storms, which produced a major hailstorm and flash flood in the Owensboro area, were triggered by a weak upper-level low over northern Illinois. This initial round of thunderstorms produced an outflow of cooler air that settled south into southwest Kentucky. By mid-afternoon, isolated supercells with tornadoes fired up along the leading edge of cooler air. Strong westerly upper-level winds associated with the upper-level low over Illinois provided ample wind shear for supercells. A southwest wind flow of moist and unstable air in the lower levels of the atmosphere provided fuel for the storms. Low-level winds up to around 40 knots enhanced low-level wind shear, providing a favorable environment for tornadoes. The supercells lingered well into the evening.

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Photo of the EF-1 tornado taken along Highway 189 on the Christian County side of the Pond River, looking east-northeast into Muhlenberg County. Photo courtesy of Kyle Cunningham.

(KY-Z014) UNION, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS

05/10/16 23:00 CST	0	Dense Fog
05/11/16 05:00 CST	0	

Widespread dense fog blanketed extreme northwest Kentucky, mainly the Henderson and Owensboro areas. Heavy rainfall from thunderstorms the previous afternoon saturated the ground, which contributed to high humidity. During the night, light winds and periods of clear sky under an upper-level high were conducive for the formation of dense fog. Visibility below one-quarter mile was common.

TODD COUNTY --- 0.8 SSE ALLENSVILLE [36.71, -87.06], DAYSVILLE [36.80, -87.07], 1.7 NNW ELKTON STANDARD ARPT [36.82, -87.19], FAIRVIEW [36.85, -87.30], TRENTON [36.72, -87.27], 1.1 WSW PINCHEM [36.69, -87.22], 0.8 SSE ANDERSON [36.69, -87.16]

05/11/16 07:00 CST	40K	Flash Flood (due to Heavy Rain)
05/11/16 10:00 CST	0	Source: Emergency Manager

Extensive flash flooding of roads occurred. Highway 181 was flooded south from Highway 1753 to Highway 848. A school bus was stuck in the water, but no children were on board. Highway 102 was flooded from Elkton to Highway 79. Business Route 68 in Elkton was flooded. Other flooded roads included Highway 104 from Elkton to Trenton, Highway 102 in Allensville, and Highway 848 near Anderson. Near Allensville, a man was stuck in his truck with water entering the truck. Fire and rescue personnel were dispatched to the scene. The county road department shut down several roads, mostly in and near the communities of Allensville, Herman, and Fairview. The Kentucky mesonet site five miles southwest of Elkton measured 2.81 inches on May 11th.

The trailing end of a line of thunderstorms oriented from west-northwest to east-southeast became stationary over Todd County. Storm cells repeatedly trained eastward across the county for hours, producing significant flash flooding. The storms occurred along a stationary front that extended from central Missouri to northern Middle Tennessee. A moderately strong south to southwest wind flow around 30 knots at 850 mb provided the storms with plenty of moisture and instability.

HENDERSON COUNTY --- 3.0 E HENDERSON [37.83, -87.53]

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/11/16 16:53 CST		0	Funnel Cloud
	05/11/16 16:53 CST		0	Source: Trained Spotter

A trained spotter near the intersection of U.S. Highway 41 and the Audubon Parkway sighted a funnel cloud.

During the afternoon, multi-cell thunderstorm clusters developed along a warm front that was oriented from west to east across southern Indiana. Surface dew points near and south of the front were in the lower 70's, which contributed to strong instability. Thunderstorm clusters moved eastward along the warm front, but they also developed southward into the strongest instability. One of the storms produced a funnel cloud in the Henderson area.

GRAVES COUNTY --- 5.0 N MAYFIELD [36.80, -88.63], 2.4 WSW HICKORY [36.81, -88.67], 2.8 NNW MAYFIELD [36.77, -88.66], 2.9 N MAYFIELD [36.77, -88.63]				
	05/25/16 12:15 CST		0	Flood (due to Heavy Rain)
	05/25/16 13:30 CST		0	Source: NWS Employee

Just north of the Mayfield city limits, there were three locations on U.S. Highway 45 with eight to ten inches of water over the road.

A slow-moving cluster of thunderstorms produced heavy rain and isolated road flooding. The storms occurred in a moist southwest wind flow, with surface dew points approaching 70 degrees. A weak 500 mb shortwave trough embedded in southwest flow aloft helped to trigger the storms.

HICKMAN COUNTY --- 5.0 SE CLINTON [36.62, -88.92]				
	05/26/16 13:35 CST		5K	Thunderstorm Wind (EG 56 kt)
	05/26/16 13:35 CST		0	Source: Law Enforcement

Numerous trees were blown down.

HICKMAN COUNTY --- 5.0 SE CROLEY [36.58, -88.87]				
	05/26/16 13:40 CST		0	Hail (1.00 in)
	05/26/16 13:40 CST		0	Source: Law Enforcement

MCCRACKEN COUNTY --- MAXON [37.08, -88.73], 1.1 ENE MAXON [37.08, -88.71], 1.2 SE MAXON [37.07, -88.71], 0.7 S MAXON [37.07, -88.73]				
	05/26/16 13:40 CST		0	Flash Flood (due to Heavy Rain)
	05/26/16 15:00 CST		0	Source: NWS Employee

Just west of Paducah, flash flooding of a tributary of Massac Creek affected a county road. At least a foot of water was flowing over the road.

TRIGG COUNTY --- 3.0 W LINTON [36.68, -87.95]				
	05/26/16 13:45 CST		0	Hail (1.00 in)
	05/26/16 13:45 CST		0	Source: Trained Spotter

GRAVES COUNTY --- 2.7 SW HOLIFIELD [36.64, -88.81], 1.1 SW BALTIMORE [36.67, -88.81], 1.2 SSW HICKORY [36.80, -88.64], 2.6 W MAYFIELD GRAVES ARPT [36.77, -88.63]				
	05/26/16 13:50 CST		0	Flash Flood (due to Heavy Rain)
	05/26/16 16:00 CST		0	Source: Law Enforcement

Highway 58 was closed along the Hickman County line due to rising flood waters. Water was completely across a four-lane stretch of U.S. Highway 45 just north of the Mayfield city limits.

GRAVES COUNTY --- WINGO [36.65, -88.73]				
	05/26/16 13:55 CST		10K	Thunderstorm Wind (EG 56 kt)
	05/26/16 13:55 CST		0	Source: Broadcast Media

Trees were blown down.

CALLOWAY COUNTY --- MURRAY [36.62, -88.32]				
	05/26/16 14:13 CST		0	Hail (0.75 in)
	05/26/16 14:13 CST		0	Source: Trained Spotter

CALLOWAY COUNTY --- 1.0 NW ALMO [36.71, -88.28]				
	05/26/16 14:15 CST		2K	Thunderstorm Wind (EG 52 kt)
	05/26/16 14:15 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A large tree was blown down.				
HICKMAN COUNTY --- BEULAH [36.77, -88.85], COLUMBUS [36.77, -89.10], 1.3 W HAILWELL [36.68, -89.12], 1.0 S FULHAM [36.64, -88.87]				
	05/26/16 14:15 CST		0	Flash Flood (due to Heavy Rain)
	05/26/16 16:15 CST		0	Source: Law Enforcement

Emergency response officials received many reports of water on roads in Clinton and elsewhere around the county.

A southerly wind flow of very moist and unstable air fed a slow-moving thunderstorm complex. Surface dew points were in the lower 70's south of the complex. Instability was quite high to the south of the storm complex. An outflow boundary moved southward ahead of the storms, providing the lift necessary for new storms to develop. The result was locally heavy rainfall as storms repeatedly moved over the same areas. Isolated storms produced large hail and tree damage.

WEBSTER COUNTY --- DIXON [37.52, -87.70], 1.5 SSW DIXON [37.50, -87.71]				
	05/29/16 14:45 CST		38K	Thunderstorm Wind (EG 65 kt)
	05/29/16 14:45 CST		0	Source: Trained Spotter

Near and south of Dixon along U.S. Highway 41A, several trees were down, roofs were damaged, and a small farm building was destroyed.

A well-developed, compact 500 mb shortwave moved eastward from the Upper Mississippi Valley to the Upper Midwest. Isolated thunderstorms developed with afternoon heating along the tail end of the shortwave. One of the storms produced significant wind damage in Webster County near Dixon.

MISSOURI, Southeast

CARTER COUNTY --- VAN BUREN [37.00, -91.02]				
	05/09/16 19:35 CST		5K	Thunderstorm Wind (EG 52 kt)
	05/09/16 19:35 CST		0	Source: Trained Spotter

A few large tree limbs were blown down. Much of Van Buren was without power.

CARTER COUNTY --- ELLSINORE [36.93, -90.75]				
	05/09/16 19:54 CST		0	Thunderstorm Wind (EG 52 kt)
	05/09/16 19:54 CST		0	Source: Trained Spotter

A trained spotter reported winds gusted to 60 mph.

BUTLER COUNTY --- 2.5 S POPLAR BLUFF [36.71, -90.40], 5.0 WNW POPLAR BLUFF [36.78, -90.48]				
	05/09/16 20:10 CST		27K	Thunderstorm Wind (EG 61 kt)
	05/09/16 20:15 CST		0	Source: Trained Spotter

Several trees were down, blocking parts of PP Highway about five miles west-northwest of Poplar Bluff. A tree was blown onto a garage on County Road 469 a few miles west of Poplar Bluff. On Highway 142 just south of the city, a tree and power lines were down.

STODDARD COUNTY --- DEXTER [36.80, -89.95]				
	05/09/16 20:40 CST		20K	Thunderstorm Wind (EG 56 kt)
	05/09/16 20:40 CST		0	Source: Trained Spotter

Trees up to four feet in diameter were uprooted and snapped. One tree was snapped two feet from the base. Shingles were blown off. Power lines were down on a city street.

SCOTT COUNTY --- SIKESTON [36.88, -89.58]				
	05/09/16 21:05 CST		50K	Thunderstorm Wind (EG 65 kt)
	05/09/16 21:05 CST		0	Source: Law Enforcement

Multiple trees were blown down across the city. A building on the west side of Sikeston was missing part of its roof.

A narrow squall line of thunderstorms evolved over south central Missouri and then moved rapidly east-northeast through the evening hours. Some of the storms were accompanied by damaging winds. This line of storms was related to the approach of an upper-level disturbance. A low-level wind flow of warmer air near and north of a weak surface boundary over Arkansas also aided the storms. The surface boundary was the result of an earlier thunderstorm complex that produced a pool of cooler air.

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PERRY COUNTY --- MC BRIDE [37.83, -89.83], 1.1 S MC BRIDE [37.81, -89.83], 1.3 N SERENO [37.82, -89.85], 1.1 WNW MC BRIDE [37.84, -89.85]				
	05/11/16 17:00 CST		0	Flood (due to Heavy Rain)
	05/11/16 18:00 CST		0	Source: Law Enforcement
Fast-moving water was reported over Highway 51 in a typical problem area at McBride Hill.				
PERRY COUNTY --- 1.0 N PERRYVILLE [37.73, -89.87]				
	05/11/16 17:09 CST		15K	Thunderstorm Wind (EG 61 kt)
	05/11/16 17:09 CST		0	Source: NWS Storm Survey
Two large trees were uprooted. Numerous small to medium sized tree limbs were broken. There was minor damage to roof-covering material. The damage was along U.S. Highway 61 on the north side of Perryville.				
PERRY COUNTY --- 1.7 WNW LITHIUM [37.84, -89.91], 1.8 ENE GIBONEY [37.81, -89.95], 0.1 NNE BREWERVILLE [37.78, -89.93], 0.8 ENE MC BRIDE [37.83, -89.82]				
	05/11/16 22:00 CST		0	Flash Flood (due to Heavy Rain)
	05/12/16 00:45 CST		0	Source: Law Enforcement
A bridge was flooded on County Road 924 northwest of Perryville.				
WAYNE COUNTY --- 2.4 NNE SILVA [37.20, -90.50], 2.4 E SILVA [37.17, -90.48], 1.8 ESE SILVA [37.16, -90.49], 1.9 NNE SILVA [37.20, -90.51]				
	05/12/16 16:00 CST		0	Flood (due to Heavy Rain)
	05/13/16 15:00 CST		0	Source: River/Stream Gage
Minor flooding occurred along the St. Francis River. Some low-lying woods and fields near the river were underwater.				
<p>During the afternoon, multi-cell thunderstorm clusters developed along a warm front that was oriented from west to east. Surface dew points near and south of the front were in the lower 70's, which contributed to strong instability. Isolated damaging winds accompanied the strongest storms. A secondary line of storms formed later in the evening, with a bowing line moving through the area into the early morning hours of the 12th. This line produced isolated flash flooding due to saturated ground from the first round of storms. The combination of both rounds of storms produced minor flooding on the St. Francis River.</p>				
CAPE GIRARDEAU COUNTY --- 0.8 E CAPE GIRARDEAU [37.30, -89.51], 2.2 ESE GULF JCT [37.25, -89.52], 1.5 SE GULF JCT [37.25, -89.53], 0.7 SSE CAPE GIRARDEAU [37.29, -89.52]				
	05/13/16 06:00 CST		0	Flood (due to Heavy Rain)
	05/16/16 18:00 CST		0	Source: River/Stream Gage
Minor flooding occurred on the Mississippi River. Some low-lying woods and fields along the river were underwater.				
<p>Periodic rounds of heavy rain caused rises on the region's rivers. Heavy rain upstream in the Mississippi Valley caused minor flooding on the Mississippi River all the way down to Cape Girardeau.</p>				
RIPLEY COUNTY --- NAYLOR [36.58, -90.60], GATEWOOD [36.58, -91.10], 3.9 SSW TUCKER [36.50, -91.10], 4.4 ESE GLENN [36.50, -90.60]				
	05/24/16 13:50 CST		0	Flood (due to Heavy Rain)
	05/24/16 19:00 CST		0	Source: Law Enforcement
Near Gatewood, there was minor flooding of Highway V due to a nearby creek, and water was reported along Highway 142 near Highway V. Near Naylor, there was minor flooding on Highway 142.				
<p>A slow-moving cluster of thunderstorms produced very heavy rain and isolated flooding of roads. The storms occurred in a moist southwest wind flow, with surface dew points in the middle 60's. A weak 500 mb shortwave trough embedded in southwest flow aloft helped to trigger the storms.</p>				
CAPE GIRARDEAU COUNTY --- DELTA [37.20, -89.75]				
	05/26/16 11:22 CST		0	Hail (1.00 in)
	05/26/16 11:22 CST		0	Source: Trained Spotter
CAPE GIRARDEAU COUNTY --- GREEN COX [37.15, -89.85]				
	05/26/16 11:30 CST		3K	Thunderstorm Wind (EG 52 kt)
	05/26/16 11:30 CST		0	Source: Emergency Manager
Trees were down across Highway NN near Highway 25.				

Storm Data and Unusual Weather Phenomena - May 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CAPE GIRARDEAU COUNTY --- 1.1 SSE CAPE GIRARDEAU [37.28, -89.52], 3.8 NE CAPE GIRARDEAU [37.35, -89.49], OAK RIDGE [37.50, -89.73], 1.4 SSW GREEN COX [37.13, -89.86]				
	05/26/16 11:35 CST		40K	Flash Flood (due to Heavy Rain)
	05/26/16 14:00 CST		0	Source: Emergency Manager

Widespread flash flooding of streets occurred in the city of Cape Girardeau. Emergency crews responded to at least one water rescue. The Cape Girardeau Fire Department reported there were several roads with 18 inches to three feet of water on them, including roads that normally do not flood. Police advised residents to stay off the streets. At Southeast Missouri State University, some campus buildings experienced flooding issues. Power was out in a campus building due to the water. At the Cape Girardeau airport, the automated rain gage measured 1.65 inches in 30 minutes. Slightly over three inches fell in one hour. Widespread street flooding also occurred in Delta. In the southwest corner of the county, water was over Highway NN just off Highway 25. Near Gordonville, County Road 226 was closed just west of Highway 25 due to a pipe washed out from under the road. Water was over some other county roads.

SCOTT COUNTY --- SCOTT CITY [37.25, -89.52], CHAFFEE [37.18, -89.67], SIKESTON [36.88, -89.58], 1.7 N DIEHLSTADT [36.99, -89.43], 0.7 ESE COMMERCE [37.15, -89.44]				
	05/26/16 12:14 CST		50K	Flash Flood (due to Heavy Rain)
	05/26/16 16:30 CST		0	Source: Emergency Manager

At least one water rescue was conducted along Route A between Benton and Hamburg. Numerous roads were underwater. Water was at least one foot deep over many roads in Scott City, including main streets. Portions of County Roads 210 and 219 were washed away just east of Rockview. A portion of a culvert was washed away on County Road 214 between Hamburg and Kelso. About ten roads were closed or impassable in Sikeston due to high water. The Sikeston Department of Public Safety asked people to stay off the roads in Sikeston, if possible. Cars became submerged in flooded areas. Two inches of rain fell in 45 minutes at Kelso.

WAYNE COUNTY --- CASCADE [37.30, -90.28], CLUBB [37.22, -90.35], PATTERSON [37.18, -90.57], COLDWATER [37.30, -90.42]				
	05/26/16 12:37 CST		0	Flash Flood (due to Heavy Rain)
	05/26/16 15:00 CST		0	Source: Broadcast Media

Low water crossings were flooded in northern Wayne County.

WAYNE COUNTY --- 2.6 NNE SILVA [37.20, -90.50], 2.4 E SILVA [37.17, -90.48], 1.6 ESE SILVA [37.16, -90.49], 1.9 NNE SILVA [37.20, -90.51]				
	05/27/16 20:00 CST		0	Flood (due to Heavy Rain)
	05/28/16 13:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the St. Francis River. Some low-lying fields and woodlands near the river were underwater.

A southerly wind flow of very moist and unstable air fed a slow-moving thunderstorm complex. To the south of the storm complex, surface dew points were in the lower 70's and instability was quite high. An outflow boundary moved southward ahead of the storms, providing the lift necessary for new storms to develop. Isolated storms produced large hail. The more significant problem was locally very heavy rainfall as storms repeatedly moved over the same areas. Slightly over three inches of rain fell in an hour at the Cape Girardeau airport. Minor flooding occurred along the St. Francis River.

STODDARD COUNTY --- 5.6 WNW DUDLEY [36.80, -90.20], DUDLEY [36.78, -90.10], 3.2 WSW DUDLEY [36.76, -90.15], 4.9 WSW DUDLEY [36.76, -90.19], 5.5 W DUDLEY [36.78, -90.20]				
	05/27/16 03:00 CST		0	Flood (due to Heavy Rain)
	05/27/16 07:30 CST		0	Source: Law Enforcement

Water was over two lanes of Highway 60 at the curve near the Butler County line.

BUTLER COUNTY --- 1.2 SSE POPLAR BLUFF [36.74, -90.39], 2.2 S JUNLAND [36.74, -90.28], 2.4 N JUNLAND [36.80, -90.28], 0.4 W MENGO [36.80, -90.39]				
	05/27/16 04:00 CST		0	Flood (due to Heavy Rain)
	05/27/16 09:00 CST		0	Source: NWS Employee

Water was over side roads, as well as the entrance to the Poplar Bluff airport.

A large area of showers and thunderstorms occurred in a deep southerly wind flow of moist air. At the surface, high pressure was located over the Carolinas, and low pressure was centered over the southern Plains. Locally heavy rainfall, on top of ground that was saturated from the previous day's storms, resulted in flooding of some roads.