

Storm Data and Unusual Weather Phenomena - December 2015

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

(IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN

12/04/15 02:00 CST	0	Dense Fog
12/04/15 10:00 CST	0	

Widespread dense fog formed across parts of southern Illinois, mainly along and north of a line from Carbondale to Harrisburg to Gallatin County. Visibility was reduced to one-quarter mile or less. High pressure over southern Illinois resulted in clear skies and light winds, which are favorable for dense fog.

ALEXANDER COUNTY --- 0.9 E CAIRO [37.00, -89.16], 2.7 ESE CAIRO [36.98, -89.13], 2.4 ESE CAIRO [36.98, -89.14], 1.1 ESE CAIRO [37.00, -89.16]

12/04/15 08:00 CST	0	Flood (due to Heavy Rain)
12/08/15 13:00 CST	0	Source: River/Stream Gage

Very minor flooding occurred on the Ohio River near Cairo. Some low-lying fields and a park were flooded.

The dry pattern that occurred in the fall continued to break down. This resulted in a period of minor river flooding early in December. However, the pattern would become much wetter later in the month. The early December flooding was just a precursor of major flooding that would follow very late in December and especially January.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (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

12/04/15 21:00 CST	0	Dense Fog
12/05/15 10:00 CST	0	

Clear skies and light winds associated with high pressure over the upper Ohio Valley were conducive for widespread dense fog. Visibility was reduced to one-quarter mile or less for over 12 hours in some places.

(IL-Z078) WABASH, (IL-Z083) WHITE, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

12/08/15 02:00 CST	0	Dense Fog
12/08/15 07:00 CST	0	

Widespread dense fog formed as a result of moist southerly winds. The dense fog was mainly along and southeast of a line from Mount Carmel to Harrisburg to Cairo. Visibility was one-quarter mile or less.

(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

12/13/15 18:00 CST	60K	Strong Wind (MAX 47 kt)
12/13/15 23:50 CST	0	

South of the Interstate 64 corridor, strong south winds ahead of a cold front gusted to around 50 mph. The cold front arced southeast from a low pressure center over the central Plains states. Measured wind gusts included: 51 mph at the Harrisburg airport, 54 mph at the Illinois DOT weather station in East Cape Girardeau, 52 mph at the Cairo airport, 47 mph at the Carbondale airport, and 47 mph at a personal weather station in Metropolis. In the community of Zeigler in Franklin County, a tree fell on a house, causing major damage to the house. Other trees were down throughout Franklin County. In Williamson County at Johnston City, there was damage to the metal roof of a home.

JACKSON COUNTY --- GORHAM [37.72, -89.48], 0.8 S NEUNERT [37.71, -89.55], 0.7 W GRAND TOWER [37.63, -89.51], 0.6 NNE GRAND TOWER [37.64, -89.49]

12/18/15 03:00 CST	0	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

Major flooding of the Mississippi River began late in the month, but the record crest did not occur until January. There was widespread flooding of low-lying areas.

ALEXANDER COUNTY --- THEBES [37.22, -89.47], 0.6 SSW THEBES JCT [37.19, -89.46], 0.5 SSW THEBES JCT [37.19, -89.45], 0.6 ESE THEBES [37.22, -89.46]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/19/15 12:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Mississippi River began its rise toward record-setting levels late in the month. The record crest did not occur until early January. In December, there was widespread flooding of low-lying areas not protected by levee systems.

UNION COUNTY --- REYNOLDSVILLE [37.37, -89.40], 1.1 SSW LARUE [37.52, -89.46], 2.7 WSW LARUE [37.51, -89.49], 1.1 SW REYNOLDSVILLE [37.36, -89.42]				
	12/19/15 12:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

Major flooding of the Mississippi River began by the end of the month. The record crest did not occur until January. Widespread flooding of low-lying areas occurred in December.

The start of a record flood on the Mississippi River began in mid-December. A very wet pattern developed during the second half of the month. A large upper-level ridge became established over the eastern half of the country, while a large trough formed over the West. This set up a warm southwest flow that brought in copious amounts of moisture. The primary rainfall event that triggered the historic flooding was a swath of 6 to 12 inches across central Missouri from December 26 to 28. The axis of heaviest rainfall extended roughly along Interstate 44 in Missouri, then northeast into central Illinois.

(IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	12/22/15 19:00 CST		0	Dense Fog
	12/22/15 23:30 CST		0	

Increasing south winds brought warm and moist air northward across southern Illinois, setting the stage for widespread dense fog during the evening. Visibility was at or below one-quarter mile, mainly south and east of a line from Mount Vernon to Marion and Anna.

JACKSON COUNTY --- 1.0 E AVA [37.88, -89.48], 6.5 NE AVA [37.95, -89.42]				
	12/23/15 11:15 CST		5K	Tornado (EF0, L: 6.00 mi , W: 50 yd)
	12/23/15 11:21 CST		0	Source: NWS Storm Survey

Peak winds were estimated near 75 mph. Numerous large branches were snapped off trees. The tornado occurred over rural farm country with patches of dense woodlands.

PERRY COUNTY --- 0.7 S PINCKNEYVILLE [38.07, -89.38]				
	12/23/15 11:20 CST		5K	Thunderstorm Wind (EG 61 kt)
	12/23/15 11:20 CST		0	Source: Emergency Manager

A power pole was snapped at ground level on a city side street.

PERRY COUNTY --- 4.5 E PINCKNEYVILLE [38.08, -89.30], TAMAROA [38.13, -89.23]				
	12/23/15 11:23 CST		0.18M	Tornado (EF1, L: 5.03 mi , W: 200 yd)
	12/23/15 11:29 CST		0	Source: NWS Storm Survey

Peak winds were estimated near 95 mph. Numerous trees were snapped off near the base or uprooted. A portion of Route 154 was closed due to downed trees. Several homes sustained minor to major roof damage. Most of the damaged homes were located near the start of the damage track near Route 154. Several barns received significant damage. The tornado track ended on the south end of Tamaroa, where some tree limbs were broken.

JACKSON COUNTY --- 0.5 W BOSKYDELL [37.67, -89.23]				
	12/23/15 11:29 CST		0	Thunderstorm Wind (MG 52 kt)
	12/23/15 11:29 CST		0	Source: Trained Spotter

A trained spotter measured a wind gust to 60 mph at a school just south of Carbondale off U.S. Highway 51.

FRANKLIN COUNTY --- SESSER [38.10, -89.05], 2.5 W VALIER [38.02, -89.10]				
	12/23/15 11:30 CST		30K	Thunderstorm Wind (EG 61 kt)
	12/23/15 11:39 CST		0	Source: Emergency Manager

A single-wide mobile home was blown over and destroyed west of Valier. A metal-framed barn collapsed in the Sesser area.

WILLIAMSON COUNTY --- 2.0 W MARION [37.73, -88.97], 2.5 W NEW DENISON [37.69, -88.90]				
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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/23/15 11:40 CST		7K	Thunderstorm Wind (EG 56 kt)
	12/23/15 11:50 CST		0	Source: Emergency Manager
Several trees were blown down in the Marion area. One tree was blocking a portion of southbound Interstate 57. A couple of others were southeast of Marion in the New Denison area.				
WILLIAMSON COUNTY --- HERRIN [37.80, -89.03]				
	12/23/15 11:42 CST		3K	Thunderstorm Wind (EG 52 kt)
	12/23/15 11:42 CST		0	Source: Emergency Manager
A power line was blown down near Herrin.				
JEFFERSON COUNTY --- BONNIE [38.20, -89.90]				
	12/23/15 11:49 CST		15K	Thunderstorm Wind (EG 61 kt)
	12/23/15 11:49 CST		0	Source: Public
A tree was uprooted. The tree landed on a small outbuilding, causing structural damage.				
SALINE COUNTY --- HARRISBURG [37.73, -88.55]				
	12/23/15 12:00 CST		5K	Thunderstorm Wind (EG 50 kt)
	12/23/15 12:00 CST		0	Source: Emergency Manager
Large tree branches were blown down. Tree debris was on some roadways.				
WAYNE COUNTY --- 2.1 NW WAYNE CITY [38.37, -88.61], CISNE [38.52, -88.43]				
	12/23/15 12:06 CST		2K	Thunderstorm Wind (MG 54 kt)
	12/23/15 12:17 CST		0	Source: Trained Spotter
A trained spotter measured a wind gust to 62 mph just northwest of Wayne City. Shingles were blown off a roof near Cisne.				
POPE COUNTY --- 1.3 WSW ROCK [37.41, -88.64]				
	12/23/15 12:10 CST		0	Funnel Cloud
	12/23/15 12:10 CST		0	Source: Trained Spotter
A trained spotter observed a funnel cloud between the communities of Simpson and Glendale.				
WAYNE COUNTY --- 1.5 SSE GOLDEN GATE [38.35, -88.19], 1.2 N ELLERY [38.37, -88.15]				
	12/23/15 12:30 CST		10K	Tornado (EF1, L: 2.50 mi , W: 100 yd)
	12/23/15 12:34 CST		0	Source: NWS Storm Survey
Maximum winds were estimated near 95 mph. A few trees were uprooted, and several trees or tree branches were snapped. Roofs were damaged on a home and a barn. The roof damage on the house was minor to moderate, consisting of partial loss of shingles. The track was through open farmland. The tornado path continued into Edwards County.				
WHITE COUNTY --- 1.5 W CARMi [38.08, -88.20], 0.5 N CARMi [38.09, -88.17]				
	12/23/15 12:32 CST		75K	Tornado (EF1, L: 1.58 mi , W: 100 yd)
	12/23/15 12:35 CST		0	Source: NWS Storm Survey
Nearly two dozen large trees were uprooted or snapped. Numerous large limbs were snapped. The tornado began near the intersection of County Roads 1500N and 850E and ended on County Road 1575. One large tree landed on a dog pound. Many of the downed trees were in a campground area on the northwest side of Carmi. A campground bath house was struck by a falling tree. Peak winds were estimated near 105 mph.				
EDWARDS COUNTY --- 1.2 N ELLERY [38.37, -88.15], 3.8 W ALBION [38.38, -88.12]				
	12/23/15 12:34 CST		3K	Tornado (EF1, L: 1.78 mi , W: 100 yd)
	12/23/15 12:36 CST		0	Source: NWS Storm Survey
The tornado continued from Wayne County into Edwards County. Along the Edwards County portion of the path, there were several snapped trees. No structural damage was observed. The path was through sparsely populated farm country. Peak winds were estimated near 95 mph.				
WHITE COUNTY --- MAUNIE [38.03, -88.05], 2.0 N MAUNIE [38.06, -88.05]				
	12/23/15 12:36 CST		0.15M	Thunderstorm Wind (EG 87 kt)
	12/23/15 12:36 CST		0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A National Weather Service damage survey revealed a strong downburst struck the community of Maunie . In Maunie, the cement and brick facade of a building partially collapsed. A tree was uprooted in front of the post office . About a half mile north of Maunie, one large irrigation unit was turned over and bent. Several large trees were uprooted, and large limbs were snapped. On County Road 1225, a machine shed roof was blown off. Peak winds were estimated near 100 mph.				

WABASH COUNTY --- MT CARMEL [38.42, -87.77]

12/23/15 12:57 CST	0	Thunderstorm Wind (EG 56 kt)
12/23/15 12:57 CST	0	Source: Trained Spotter

A trained spotter estimated winds gusted around 60 mph.

PULASKI COUNTY --- VILLA RIDGE [37.17, -89.20]

12/23/15 14:33 CST	0	Hail (1.00 in)
12/23/15 14:33 CST	0	Source: Emergency Manager

A fast-moving line of severe storms moved east across southern Illinois, accompanied by locally damaging winds and isolated tornadoes. A few bowing segments along the line produced damaging winds. A negatively-tilted mid-level trough from the central high Plains to the Arklatex ejected northeast through the Middle Mississippi Valley. At the surface, an area of low pressure over northeast Kansas moved to central Wisconsin. A trailing cold front surged eastward through the Mid-Mississippi and Lower Ohio Valleys. The storms were fed by a broadening and strengthening southwesterly low-level jet, which destabilized the atmosphere ahead of the storms. The presence of strong low-level and deep-layer wind shear enhanced the risk of wind damage and tornadoes.

ALEXANDER COUNTY --- 2.8 ESE CAIRO [36.98, -89.13], 2.5 ESE CAIRO [36.98, -89.14], 1.0 ESE CAIRO [37.00, -89.16], 1.3 E CAIRO [37.00, -89.16]

12/25/15 20:00 CST	0	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

The Ohio River began its rise above flood stage late in the month. The flooding in December was relatively insignificant compared to the major flooding in January. In December, there was widespread flooding of low-lying fields and woodlands. The Ohio River bridge connecting U.S. Highway 51/60/62 with Wickliffe, Kentucky was closed due to water over the approach on the Kentucky side. Parts of Fort Defiance State Park and some river access roads were underwater.

PULASKI COUNTY --- OLMSTED [37.18, -89.08], 0.6 SE OLMSTED [37.17, -89.07], 2.5 SSE NEW GRAND CHAIN [37.22, -89.00], 2.1 S NEW GRAND CHAIN [37.22, -89.02]

12/26/15 12:00 CST	0	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

The Ohio River began its rise above flood stage late in the month. The flooding in December was relatively insignificant compared to the major flooding in January. In December, there was widespread flooding of low-lying fields and woodlands. Some river access roads were underwater.

MASSAC COUNTY --- 0.5 ENE BROOKPORT [37.12, -88.62], 1.5 ESE METROPOLIS [37.14, -88.70], 0.8 W METROPOLIS [37.15, -88.74], 0.9 WSW METROPOLIS [37.15, -88.75], 0.9 SSE METROPOLIS [37.14, -88.72], 0.2 SSW BROOKPORT [37.12, -88.63]

12/26/15 21:00 CST	0	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

The Ohio River began its rise above flood stage late in the month. There was considerable flooding of low-lying fields and woodlands. Parts of Fort Massac State Park and some river access roads were underwater. At Brookport, a chronic failure of a flapper gate in the floodwall allowed water to enter the city. Sandbagging and pumping operations were required to minimize the impact to property. In Metropolis, water approached the city streets closest to the river. Floodwater entered the access road and parking lot of a riverboat casino, causing some inconvenience. The flooding continued into January.

JACKSON COUNTY --- 2.6 ENE GRIMSBY [37.77, -89.41], 2.1 NE SAND RIDGE [37.75, -89.41], 2.2 W MT CARBON [37.75, -89.37], 0.5 S MT CARBON [37.74, -89.33], 0.8 WNW MT CARBON [37.75, -89.34], 2.3 W MURPHYSBORO [37.77, -89.37]

12/27/15 21:00 CST	0	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

The Big Muddy River began its rise above flood stage late in the month. The flooding in December was relatively insignificant compared to the flooding in January. In December, there was flooding of low-lying fields and woodlands. Some river access roads and parts of a riverside park were underwater.

GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 0.2 SE SHAWNEETOWN [37.70, -88.13], 1.9 SSW SHAWNEETOWN [37.67, -88.14], 2.2 SW SHAWNEETOWN [37.68, -88.15]

12/28/15 07:00 CST	0	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

The Ohio River rose above flood stage late in the month, but the crest did not occur until early January. In December, there was flooding of low-lying fields, woodlands, and some river access roads.

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WHITE COUNTY --- 2.7 N CARM I MUNI ARPT [38.14, -88.15], 3.2 NE CARM I MUNI ARPT [38.13, -88.11], 2.8 SW EPWORTH [38.04, -88.13], 2.3 SSE TRUMBULL [38.05, -88.21]				
	12/28/15 12:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Little Wabash River began its rise above flood stage late in the month . The flooding in December was relatively insignificant compared to the flooding in January. In December, there was flooding of low-lying fields and woodlands. A few county roads were inundated.

WABASH COUNTY --- 1.6 ENE MT CARMEL [38.43, -87.74], 1.5 ESE MT CARMEL [38.42, -87.74], 1.2 E MT CARMEL [38.42, -87.75], 1.3 ENE MT CARMEL [38.43, -87.75]				
	12/28/15 23:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Wabash River rose above flood stage late in the month in the Mount Carmel area . The river did not crest until early January. In December, there was flooding of low-lying fields and woodlands.

POPE COUNTY --- GOLCONDA [37.37, -88.48], 2.7 NE TANSILL [37.33, -88.50], 2.9 S GOLCONDA [37.33, -88.49], 0.4 SSE GOLCONDA [37.37, -88.48]				
	12/29/15 05:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Ohio River began its rise above flood stage late in the month. The river did not crest until January. The primary impact of the flooding was in low-lying fields and woodlands, as well as bottomland roads.

FRANKLIN COUNTY --- 1.1 SSE ZEIGLER [37.88, -89.04], 0.8 NW ZEIGLER JCT [37.93, -89.03], 0.6 NE ZEIGLER JCT [37.93, -89.01], 0.4 WNW PLUMFIELD [37.88, -89.01]				
	12/29/15 05:30 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Big Muddy River rose above flood stage late in the month, but the crest did not occur until early January. There was minor flooding of river access roads, low-lying fields, and woodlands.

WHITE COUNTY --- MAUNIE [38.03, -88.05], 1.1 ENE MAUNIE [38.03, -88.03], 2.3 NNE RISING SUN [38.03, -88.01], 0.3 NE RISING SUN [38.00, -88.03]				
	12/30/15 01:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Wabash River rose above flood stage late in the month , but the crest did not occur until early January. There was flooding of low-lying fields and woodlands. Some county roads and river access roads were underwater.

The start of significant river flooding began late in December. A very wet pattern developed during the second half of the month. A large upper-level ridge became established over the eastern half of the country, while a large trough formed over the West. This set up a warm southwest flow that brought in copious amounts of moisture.

WAYNE COUNTY --- WAYNE CITY [38.35, -88.58], 2.4 NW WAYNE CITY [38.38, -88.61], 2.1 NNW WAYNE CITY [38.38, -88.60], 3.6 SSE SIMS [38.32, -88.50], 2.4 N MAYBERRY [38.30, -88.54]				
	12/27/15 12:00 CST		5K	Flood (due to Heavy Rain)
	12/31/15 23:00 CST		0	Source: River/Stream Gage

Major flooding occurred along the Skillet Fork River near Wayne City . Considerable flooding of low-lying fields occurred. Some homes threatened by the floodwaters were sandbagged, and rural roads were closed. At the Wayne City gage, the river crested at 24.1 feet on the morning of the 29th. Flood stage there is 15 feet. Compared to the flood of June, 2015, the river crested about a half foot lower.

MASSAC COUNTY --- 2.4 SSE ROUND KNOB [37.22, -88.73]				
	12/28/15 08:56 CST		0	Heavy Rain
	12/28/15 08:56 CST		0	Source: Trained Spotter

The 48-hour rainfall total ending on the morning of the 28th was 4.88 inches. Numerous fields were covered with water. Ditches and creeks were full or overflowing their banks.

PULASKI COUNTY --- MOUNDS [37.12, -89.20]				
	12/28/15 09:00 CST		0	Heavy Rain
	12/29/15 13:00 CST		0	Source: Emergency Manager

There were some county road closures due to water over them, but they were routine.

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SALINE COUNTY --- HARRISBURG [37.73, -88.55]				
	12/28/15 09:00 CST		0	Heavy Rain
	12/29/15 13:00 CST		0	Source: Emergency Manager
A few county roads were closed that routinely become covered with water in heavy rain events.				
WHITE COUNTY --- CROSSVILLE [38.17, -88.07], 1.7 E GARNERVILLE [38.12, -88.02], 1.6 NNW EPWORTH [38.09, -88.11], 2.5 SE SUMPTER [38.12, -88.19], 2.4 ENE SUMPTER [38.16, -88.18]				
	12/28/15 09:00 CST		15K	Flood (due to Heavy Rain)
	12/28/15 14:00 CST		0	Source: Public
Creeks and small streams went out of their banks, resulting in water over some rural roads. North of Carmi, a car became stranded in deep water on a rural road. The car could not be immediately retrieved due to the strong current.				
JACKSON COUNTY --- VERGENNES [37.90, -89.33], ELKVILLE [37.90, -89.23], 4.0 E CARBONDALE [37.72, -89.15], MURPHYSBORO [37.77, -89.33]				
	12/28/15 11:59 CST		0	Flash Flood (due to Heavy Rain)
	12/28/15 14:00 CST		0	Source: Emergency Manager
About a half dozen roads were closed across the county, mostly rural secondary roads.				
HAMILTON COUNTY --- MC LEANSBORO [38.10, -88.53], DELAFIELD [38.15, -88.60], WALPOLE [37.93, -88.55], BROUGHTON [37.93, -88.45]				
	12/28/15 12:00 CST		0	Flood (due to Heavy Rain)
	12/29/15 14:00 CST		0	Source: Emergency Manager
Widespread flooding of low-lying farm ground was reported. Illinois Route 142 was closed, as well as County Road 500. Rainfall amounts ranged from 5 to 6 inches over four days.				
PERRY COUNTY --- DU QUOIN [38.02, -89.23], TAMAROA [38.13, -89.23], SWANWICK [38.17, -89.53], CUTLER [38.03, -89.57]				
	12/28/15 12:00 CST		0	Flood (due to Heavy Rain)
	12/29/15 13:00 CST		0	Source: Emergency Manager
Multiple roads were impassable due to high water throughout the county. The storm-total rainfall was 6.25 inches from the 26th to the 28th at Du Quoin.				
WILLIAMSON COUNTY --- CARTERVILLE [37.75, -89.08], MARION [37.73, -88.93]				
	12/28/15 12:00 CST		0	Heavy Rain
	12/28/15 12:00 CST		0	Source: Broadcast Media
A 12-hour rainfall of 2.25 inches was recorded between midnight and noon on the 28th. Countywide, about eight roads were closed that often become covered with water in heavy rain events.				
FRANKLIN COUNTY --- WEST FRANKFORT [37.90, -88.92]				
	12/28/15 12:30 CST		0	Heavy Rain
	12/28/15 12:30 CST		0	Source: Trained Spotter
A storm total of 4.66 inches was reported since the early morning of the 26th. There were pockets of street flooding due to sewer overflow.				
FRANKLIN COUNTY --- THOMPSONVILLE [37.92, -88.77]				
	12/28/15 15:25 CST		0	Heavy Rain
	12/28/15 15:25 CST		0	Source: Trained Spotter
A storm total rainfall of 4.90 inches was reported since the morning of the 26th.				
JEFFERSON COUNTY --- WOODLAWN [38.33, -89.03]				
	12/29/15 08:30 CST		0	Heavy Rain
	12/29/15 08:30 CST		0	Source: Public

A four-day storm total of 5.0 inches was reported by the public.

A cold front lifted north and stalled over the region for a few days. A couple of areas of low pressure developed and moved northeast along the front, bringing multiple rounds of showers and thunderstorms. Rainfall totals from late on the 25th through the 29th ranged from 3 to 6 inches. The heavy rain resulted in widespread standing water on farm fields, along with pockets of more significant road flooding.

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(IL-Z084) JACKSON, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	12/28/15 12:00 CST		6K	Strong Wind (MAX 44 kt)
	12/28/15 18:00 CST		0	

A strong low pressure system moved northeast from western Arkansas into central Illinois by evening. Strong and gusty southwest winds occurred during the afternoon as this system passed by. The strong winds were observed mainly along and west of a line from Carbondale to Metropolis, including the Cairo area. Peak gusts were measured to 51 mph at the Carbondale airport, 50 mph near Metropolis, and 47 mph at East Cape Girardeau.

INDIANA, Southwest

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	12/04/15 21:00 CST		0	Dense Fog
	12/05/15 10:00 CST		0	

Clear skies and light winds associated with high pressure over the upper Ohio Valley were conducive for widespread dense fog. Visibility was reduced to one-quarter mile or less for over 12 hours.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	12/08/15 02:00 CST		0	Dense Fog
	12/08/15 07:00 CST		0	

Widespread dense fog formed as a result of moist southerly winds. Visibility was one-quarter mile or less for several hours before sunrise.

(IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	12/13/15 20:00 CST		4K	Strong Wind (MAX 40 kt)
	12/14/15 02:00 CST		0	

In the Ohio River counties of southwest Indiana, strong south winds ahead of a cold front gusted to around 45 mph. The cold front arced southeast from a low pressure center over the central Plains states. The peak wind gust measured at the Evansville airport was 46 mph.

GIBSON COUNTY --- 1.1 S ST JAMES [38.16, -87.58]				
	12/23/15 13:10 CST		20K	Thunderstorm Wind (EG 56 kt)
	12/23/15 13:10 CST		0	Source: Amateur Radio

Two semi tractor-trailers were overturned along Interstate 64.

VANDERBURGH COUNTY --- 2.4 S EVANSVILLE [37.95, -87.55]				
	12/23/15 13:35 CST		6K	Thunderstorm Wind (EG 52 kt)
	12/23/15 13:35 CST		0	Source: Law Enforcement

Power lines were blown down along the south side of the city. A billboard was blown over.

WARRICK COUNTY --- 1.0 E NEWBURGH [37.95, -87.40]				
	12/23/15 13:44 CST		0	Thunderstorm Wind (EG 52 kt)
	12/23/15 13:44 CST		0	Source: Trained Spotter

A wind gust to 60 mph was estimated by a trained spotter.

SPENCER COUNTY --- HATFIELD [37.90, -87.22], LINCOLN CITY [38.12, -87.00]				
	12/23/15 14:08 CST		8K	Thunderstorm Wind (EG 56 kt)
	12/23/15 14:08 CST		0	Source: Law Enforcement

Several trees were blown down across the western part of the county, from Lincoln City to Hatfield.

SPENCER COUNTY --- 1.7 S PUEBLO [37.81, -87.12], 1.3 W AFRICA [37.83, -87.09]				
	12/23/15 15:39 CST		3K	Tornado (EF0, L: 2.05 mi , W: 50 yd)
	12/23/15 15:42 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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This weak tornado crossed Indiana Highway 161 just a few miles across the Ohio River from Owensboro, Kentucky. The tornado tracked along West County Road 560S to West County Road 440S. Several tree tops were broken, and a 12-inch tree was snapped. Numerous small tree limbs were broken. Peak winds were estimated near 75 mph.

GIBSON COUNTY --- PRINCETON [38.35, -87.57]

	12/23/15 16:13 CST	0	0	Hail (0.75 in)
	12/23/15 16:13 CST	0	0	Source: Trained Spotter

A fast-moving line of strong to severe storms swept east across southwest Indiana, accompanied by isolated wind damage. A second line of storms moved northeast from western Kentucky across Spencer County, producing an isolated weak tornado there. Conditions were favorable for severe storms. A negatively-tilted mid-level trough from the central high Plains to the Arklatex ejected northeast through the middle Mississippi Valley. At the surface, an area of low pressure over northeast Kansas moved to central Wisconsin. A trailing cold front surged eastward through the Mid-Mississippi and Lower Ohio Valleys. The storms were fed by a broadening and strengthening southwesterly low-level jet, which destabilized the atmosphere ahead of the storms. The presence of strong low-level and deep-layer wind shear enhanced the risk of wind damage and even a tornado.

WARRICK COUNTY --- 3.1 SW DAYVILLE [37.92, -87.36], 2.7 WSW DAYVILLE [37.93, -87.36], 1.5 ESE NEWBURGH [37.94, -87.39], 1.5 ESE NEWBURGH [37.94, -87.40]

	12/27/15 23:00 CST	0	0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST	0	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying woods and fields were inundated. The flooding continued into January.

PIKE COUNTY --- PETERSBURG [38.50, -87.28], 1.0 NW PETERSBURG [38.51, -87.29], 2.3 NE PETERSBURG [38.53, -87.25], 4.7 NNW ALGIERS [38.55, -87.19], 4.0 NW IVY [38.54, -87.17]

	12/28/15 05:00 EST	0	0	Flood (due to Heavy Rain)
	12/31/15 23:59 EST	0	0	Source: River/Stream Gage

The White River began its rise above flood stage late in the month. The river crested in early January. Minor flooding of low-lying fields and woodlands occurred. About a dozen county roads were underwater.

POSEY COUNTY --- 0.6 SW HOVEY [37.89, -87.94], 0.6 S HOVEY [37.89, -87.93], 0.4 SSE MT VERNON [37.92, -87.90], 0.6 SW MT VERNON [37.92, -87.91]

	12/28/15 11:00 CST	0	0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST	0	0	Source: River/Stream Gage

The Ohio River began its rise above flood stage late in the month. The river crested in early January. Minor flooding of low-lying fields and woodlands occurred. Some river access roads were underwater.

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

	12/28/15 13:45 CST	0	0	Heavy Rain
	12/28/15 15:00 CST	0	0	Source: Trained Spotter

Street flooding was reported in Rockport.

GIBSON COUNTY --- HAZLETON [38.48, -87.53], 1.0 NNW HAZLETON [38.49, -87.54], 1.8 NNE HAZLETON [38.50, -87.52], 0.5 NW GIRO [38.51, -87.48], 1.0 WSW GIRO [38.49, -87.49]

	12/28/15 14:00 CST	2K	0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST	0	0	Source: River/Stream Gage

The White River began its rise above flood stage late in the month. The river crested in early January. Minor flooding of low-lying fields and woodlands occurred. Several streets and county roads were underwater. A softball field was flooded. River cabins were inaccessible.

VANDERBURGH COUNTY --- 1.3 ESE EVANSVILLE [37.97, -87.53]

	12/28/15 15:00 CST	0	0	Heavy Rain
	12/28/15 15:00 CST	0	0	Source: Trained Spotter

The storm-total rainfall was 5.40 inches since the 23rd. Approximately 3.10 inches fell in the last 36 hours.

GIBSON COUNTY --- EAST MT CARMEL [38.40, -87.73], 0.8 ENE CRAWLEYVILLE [38.29, -87.82], 0.7 N CRAWLEYVILLE [38.29, -87.83], 2.0 W SKELTON [38.35, -87.82], 1.1 W EAST MT CARMEL [38.40, -87.75]

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/28/15 23:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Wabash River rose above flood stage late in the month, but the crest did not occur until early January. In December, there was minor flooding of low-lying fields and woodlands. Some river access roads were underwater.

POSEY COUNTY --- 3.9 NNE SAVAHA [38.07, -87.95], 3.9 NNE SAVAHA [38.07, -87.96], 0.7 W NEW HARMONY [38.13, -87.94], 0.7 SW NEW HARMONY [38.12, -87.94]

	12/30/15 01:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Wabash River rose above flood stage late in the month, but the crest did not occur until early January. In December, there was minor flooding of low-lying fields and woodlands. Some river access roads were underwater.

SPENCER COUNTY --- ROCKPORT [37.88, -87.05], 0.6 ESE ROCKPORT [37.88, -87.04], 1.4 ENE AFRICA [37.84, -87.05], 1.1 NE AFRICA [37.84, -87.06]

	12/30/15 21:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Bottomland fields were inundated. The flooding continued into January.

VANDERBURGH COUNTY --- 5.0 S SMYTHE [37.93, -87.49], 1.5 NNW CYPRESS [37.94, -87.64], 0.1 W VAUGHAN [37.90, -87.63], 5.7 SE EVANSVILLE [37.91, -87.49]

	12/31/15 08:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Ohio River rose above flood stage on New Year's Eve. The river crested in early January. There was minor flooding of low-lying fields and woodlands. Some river access roads were underwater.

Flooding of the White, Wabash, and Ohio Rivers began late in December and continued into January. A very wet pattern developed during the second half of the month. A large upper-level ridge became established over the eastern half of the country, while a large trough formed over the West. This set up a warm southwest flow that brought in copious amounts of moisture. Around five inches of rain fell in the Evansville area from the 23rd to the 28th.

KENTUCKY, Southwest

(KY-Z005) MCCRACKEN, (KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN

	12/05/15 06:00 CST		0	Dense Fog
	12/05/15 10:00 CST		0	

Clear skies and light winds associated with high pressure over the upper Ohio Valley were conducive for widespread dense fog. The dense fog was along and north of a line from Paducah to Madisonville. Visibility was reduced to one-quarter mile or less. The fog occurred with sub-freezing temperatures, and a few slick spots were reported around Owensboro.

(KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN

	12/08/15 02:00 CST		0	Dense Fog
	12/08/15 07:00 CST		0	

Widespread dense fog formed as a result of moist southerly winds. The dense fog was mainly along and north of a line from Marion to Madisonville, including the Owensboro and Henderson areas. Visibility was one-quarter mile or less.

(KY-Z012) TRIGG, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

	12/10/15 06:00 CST		0	Dense Fog
	12/10/15 09:00 CST		0	

Widespread dense fog formed over the Pennyryle region of western Kentucky, including the Owensboro and Hopkinsville areas. The fog was the result of moist southwest winds. Visibility was one-quarter mile or less.

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020)

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD				
	12/13/15 18:00 CST		26K	Strong Wind (MAX 46 kt)
	12/14/15 02:00 CST		0	
<p>Strong south winds ahead of a cold front gusted to around 50 mph. The cold front arced southeast from a low pressure center over the central Plains states. Some measured peak wind gusts included: 53 mph at the Owensboro airport, 51 mph at the Mayfield airport, 49 mph at the Kentucky mesonet site near Trenton (Todd County), 49 mph at the Madisonville airport, 47 mph at the Princeton mesonet site, 46 mph at the mesonet site 7 miles north of Hopkinsville, 45 mph at Fort Campbell and Paducah, and 45 mph at the mesonet site in Union County. In McCracken County, a large tree was blown across Highway 286 southwest of Paducah. A moving vehicle struck the downed tree, injuring the driver. Another tree was blown down along U.S. Highway 62 near Reidland. Near Arlington in Carlisle County, a carport was blown into a barn.</p>				
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(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS				
	12/22/15 19:00 CST		0	Dense Fog
	12/22/15 23:30 CST		0	
<p>Increasing south winds brought warm and moist air northward across western Kentucky, setting the stage for widespread dense fog during the evening. Visibility was at or below one-quarter mile over many areas, except for large parts of the Pennyryle region.</p>				
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WEBSTER COUNTY --- PROVIDENCE [37.40, -87.77]				
	12/23/15 15:03 CST		0	Hail (1.75 in)
	12/23/15 15:03 CST		0	Source: COOP Observer
<hr/>				
GRAVES COUNTY --- 1.1 NE SYMSONIA [36.93, -88.51]				
	12/23/15 15:18 CST		0	Funnel Cloud
	12/23/15 15:18 CST		0	Source: Law Enforcement
<p>A funnel cloud was reported by state police along the Marshall and McCracken County line.</p>				
<hr/>				
GRAVES COUNTY --- MAYFIELD [36.73, -88.63]				
	12/23/15 15:24 CST		0	Hail (1.00 in)
	12/23/15 15:24 CST		0	Source: Public
<hr/>				
GRAVES COUNTY --- 2.0 E WINGO [36.65, -88.69]				
	12/23/15 15:25 CST		0	Hail (1.75 in)
	12/23/15 15:25 CST		0	Source: Public
<p>A brief period of golf-ball size hail was reported.</p>				
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MARSHALL COUNTY --- CALVERT CITY [37.03, -88.35], 1.0 E SHARPE [36.97, -88.43]				
	12/23/15 15:26 CST		0	Thunderstorm Wind (EG 56 kt)
	12/23/15 15:34 CST		0	Source: NWS Employee
<p>A wind gust to 58 mph was measured by an off-duty National Weather Service employee near the Interstate 24 exit to the Purchase Parkway. Near Sharpe, a trained spotter reported small tree limbs down on U.S. Highway 68. The spotter estimated wind gusts near 65 mph.</p>				
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MARSHALL COUNTY --- ELVA [36.93, -88.47]				
	12/23/15 15:28 CST		0	Hail (1.00 in)
	12/23/15 15:28 CST		0	Source: Trained Spotter
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DAVIESS COUNTY --- 1.2 S WEST LOUISVILLE [37.68, -87.28]				
	12/23/15 15:30 CST		0	Funnel Cloud
	12/23/15 15:30 CST		0	Source: Trained Spotter
<p>A funnel cloud was reported by a trained spotter.</p>				
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DAVIESS COUNTY --- DELAWARE [37.68, -87.40]				
	12/23/15 15:30 CST		0	Hail (0.88 in)
	12/23/15 15:30 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MARSHALL COUNTY --- OAK LEVEL [36.87, -88.47], 1.4 NE OAK LEVEL [36.88, -88.45]				
	12/23/15 15:30 CST		4K	Thunderstorm Wind (EG 52 kt)
	12/23/15 15:30 CST		0	Source: Trained Spotter
A couple of trees were blown down.				
LIVINGSTON COUNTY --- GRAND RIVERS [37.00, -88.23]				
	12/23/15 15:32 CST		0	Thunderstorm Wind (EG 61 kt)
	12/23/15 15:32 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust to 70 mph.				
WEBSTER COUNTY --- 0.4 SW CATESVILLE [37.52, -87.61], 1.6 S CATESVILLE [37.50, -87.60]				
	12/23/15 16:05 CST		75K	Thunderstorm Wind (EG 61 kt)
	12/23/15 16:07 CST		0	Source: NWS Storm Survey
About midway between Dixon and Slaughters, a path of damage was investigated by a National Weather Service meteorologist. The damage path was one-half mile wide and about three miles long. Two unanchored very old sheds were destroyed. The steel roof was partially peeled off a new metal building under construction. Numerous tree limbs were blown down, along with many dead or rotten trees. The state road department cleared dozens of trees or limbs from roads.				
MARSHALL COUNTY --- HARVY [36.82, -88.42], SHARPE [36.97, -88.45], CALVERT CITY [37.03, -88.35], AURORA [36.78, -88.13]				
	12/23/15 16:17 CST		50K	Flash Flood (due to Heavy Rain)
	12/23/15 18:00 CST		0	Source: Trained Spotter
There were numerous reports of flooded roads throughout the county, including washed out shoulders. A street in Benton was covered with fast-moving floodwaters. In a couple cases, police or fire personnel were needed to block traffic in western and northern parts of the county. A trained spotter in Benton received 1.5 inches of rain in 45 minutes.				
WEBSTER COUNTY --- SLAUGHTERS [37.48, -87.50]				
	12/23/15 16:18 CST		0	Hail (1.00 in)
	12/23/15 16:18 CST		0	Source: Trained Spotter
HOPKINS COUNTY --- 4.3 NNW HANSON [37.48, -87.50]				
	12/23/15 16:20 CST		0	Hail (0.88 in)
	12/23/15 16:20 CST		0	Source: Emergency Manager
CALLOWAY COUNTY --- 2.2 W ALMO [36.70, -88.31], LYNN GROVE [36.60, -88.43]				
	12/23/15 16:22 CST		30K	Thunderstorm Wind (EG 61 kt)
	12/23/15 16:27 CST		0	Source: NWS Storm Survey
Just west of Almo near U.S. Highway 641, thunderstorm winds destroyed an old 65-by-30 foot wooden barn. Debris from the barn landed on a road and knocked down power lines. One power pole was snapped. Numerous trees and large limbs were blown down across the county, although most were rotten or dead. In Murray, a glass door of a business was broken.				
CALLOWAY COUNTY --- ALMO [36.70, -88.27], 5.0 SE MURRAY [36.57, -88.26], LYNN GROVE [36.60, -88.43], KIRKSEY [36.70, -88.38]				
	12/23/15 16:22 CST		25K	Flash Flood (due to Heavy Rain)
	12/23/15 18:00 CST		0	Source: Emergency Manager
A culvert was washed out on a dead-end street off Highway 1429 in northern Calloway County.				
WEBSTER COUNTY --- PROVIDENCE [37.40, -87.77], SEBREE [37.60, -87.53]				
	12/23/15 16:24 CST		0	Heavy Rain
	12/23/15 17:30 CST		0	Source: Trained Spotter
Street flooding was reported in Providence. Other locations with water over the road included the Sebree area along Highway 132 West and Highway 857 between Clay and Dixon.				
MCCRACKEN COUNTY --- 0.7 N LONE OAK [37.04, -88.67], 2.3 NNW KREBS [37.01, -88.63], 2.7 N KREBS [37.02, -88.62], 1.3 ENE LONE OAK [37.04, -88.65]				

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/23/15 16:34 CST		0	Flash Flood (due to Heavy Rain)
	12/23/15 18:00 CST		0	Source: Broadcast Media
The intersection of Highways 994 and 1014 was closed due to flash flooding from Champion Creek.				
CALDWELL COUNTY --- 0.3 WSW BLACK HAWK [36.97, -87.88]				
	12/23/15 16:50 CST		0	Hail (0.75 in)
	12/23/15 16:50 CST		0	Source: Trained Spotter
This hail was at the intersection of Interstate 24 and Highway 139.				
CALDWELL COUNTY --- 1.4 S PRINCETON ARPT [37.10, -87.85]				
	12/23/15 16:50 CST		0	Thunderstorm Wind (MG 50 kt)
	12/23/15 16:50 CST		0	Source: Mesonet
The Kentucky mesonet site near Princeton measured a wind gust to 58 mph.				
TRIGG COUNTY --- CADIZ [36.87, -87.82]				
	12/23/15 16:57 CST		8K	Thunderstorm Wind (EG 52 kt)
	12/23/15 16:57 CST		0	Source: Emergency Manager
A tree fell on a house. A radio station in Cadiz measured a wind gust to 56 mph.				
DAVIESS COUNTY --- 1.4 SE (OWB)OWENSBORO ARPT [37.73, -87.15]				
	12/23/15 17:03 CST		0	Heavy Rain
	12/23/15 18:00 CST		0	Source: Trained Spotter
Street flooding was reported on Carter Road.				
HOPKINS COUNTY --- 0.9 NW MADISONVILLE [37.34, -87.51], 1.3 NNW MADISONVILLE [37.35, -87.51], 1.4 NNE MADISONVILLE [37.35, -87.49], 0.4 ENE MADISONVILLE [37.33, -87.49]				
	12/23/15 17:05 CST		0	Flash Flood (due to Heavy Rain)
	12/23/15 18:00 CST		0	Source: Law Enforcement
Flash flooding was reported on the north side of Madisonville. U.S. Highway 41 was impassable at the railroad tunnel.				
HOPKINS COUNTY --- MADISONVILLE ARPT [37.35, -87.40]				
	12/23/15 17:05 CST		0	Thunderstorm Wind (MG 55 kt)
	12/23/15 17:05 CST		0	Source: AWOS
A wind gust to 63 mph was measured at the municipal airport near Madisonville.				
CHRISTIAN COUNTY --- 2.0 W HOPKINSVILLE [36.85, -87.52]				
	12/23/15 17:26 CST		0	Hail (0.75 in)
	12/23/15 17:26 CST		0	Source: Emergency Manager
MUHENBERG COUNTY --- 6.0 N GREENVILLE [37.29, -87.18], GREENVILLE [37.20, -87.18]				
	12/23/15 17:30 CST		20K	Thunderstorm Wind (MG 53 kt)
	12/23/15 17:30 CST		0	Source: Mesonet
A wind gust to 61 mph was measured at a Kentucky mesonet site about six miles north of Greenville. Several trees were blown down in Greenville. In Central City, a tree landed on a power line.				
CHRISTIAN COUNTY --- 2.0 S HOPKINSVILLE [36.82, -87.48], FRUIT HILL [37.00, -87.37]				
	12/23/15 17:44 CST		3K	Thunderstorm Wind (MG 52 kt)
	12/23/15 17:50 CST		0	Source: Trained Spotter
A wind gust to 60 mph was measured just south of Hopkinsville. A trained spotter estimated a wind gust around 60 mph in Hopkinsville. A large tree was down near Fruit Hill. There were power outages in the city of Hopkinsville.				
CHRISTIAN COUNTY --- CROFTON [37.05, -87.48]				

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/23/15 17:44 CST		0	Heavy Rain
	12/23/15 18:45 CST		0	Source: Trained Spotter

Water was over a primary road near Crofton.

Two fast-moving lines of strong to severe storms moved east across western Kentucky, accompanied by strong winds, isolated large hail, and torrential rainfall. A few bowing segments along the lines produced damaging winds. Conditions were favorable for severe storms. A negatively-tilted mid-level trough from the central high Plains to the Arklatex ejected northeast through the middle Mississippi Valley. At the surface, an area of low pressure over northeast Kansas moved to central Wisconsin. A trailing cold front surged eastward through the Mid-Mississippi and Lower Ohio Valleys. The storms were fed by a broadening and strengthening southwesterly low-level jet, which moistened and destabilized the atmosphere ahead of the storms. Some places received about 1.5 inches of rain within 45 minutes. The presence of strong winds aloft enhanced the risk of wind damage.

MUHLENBERG COUNTY --- PARADISE [37.27, -86.98], 1.3 SE PARADISE [37.26, -86.96], 1.3 SSE PARADISE [37.25, -86.97], 0.4 W PARADISE [37.27, -86.99]

12/26/15 11:00 CST	2K	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

Moderate flooding occurred on the Green River. At the Paradise river gage, the river crested at 390.75 feet on the afternoon of the 30th. Flood stage there is 380 feet. Kentucky Highways 1379 and 2590 were closed. Widespread flooding of low-lying areas around the river took place. The flooding continued into early January.

BALLARD COUNTY --- OSCAR [37.13, -89.03], 1.9 WNW WICKLIFFE [36.98, -89.11], 1.7 WNW EAST CAIRO [37.03, -89.18], 3.5 WNW OSCAR [37.14, -89.09]

12/26/15 12:00 CST	0	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

The Ohio River began its rise above flood stage late in the month. The flooding in December was relatively insignificant compared to the major flooding in January. The Ohio River bridge connecting Cairo, Illinois with Ballard County was closed as floodwaters covered the bridge approach on the Kentucky side. There was considerable flooding of low-lying fields and woodlands. Parts of a wildlife management area and some river access roads were underwater.

MCCLEAN COUNTY --- CALHOUN [37.53, -87.27], 1.9 NW CALHOUN [37.55, -87.30], 2.5 W CALHOUN [37.53, -87.31], 0.5 SW RUMSEY [37.52, -87.28], 0.5 ESE CALHOUN [37.53, -87.26], 2.0 ESE RUMSEY [37.51, -87.24], 2.1 E RUMSEY [37.52, -87.23], 0.9 ENE CALHOUN [37.53, -87.26]

12/27/15 12:00 CST	10K	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

Moderate flooding occurred on the Green River. At the Calhoun river gage, the river crested at 28.10 feet on New Years Eve. Flood stage there is 23 feet. Several county roads were closed. Kentucky Highway 85 near Island was closed, along with West Second Street in Rumsey. A couple of streets in Livermore were closed. In Livermore, the water levels came within a couple feet of shutting down the water plant that provides water to the city. A riverfront park in Calhoun was submerged. The Army Corps of Engineers Lock and Dam structure in Calhoun ceased operations after it went under water. Thousands of acres were flooded in the Island, Rumsey, and Jewel City areas. The acreage was mostly dormant cropland, woods, and fields. The flooding continued into January.

LIVINGSTON COUNTY --- 0.9 WNW SMITHLAND [37.14, -88.41], 1.3 SSE BIRDSVILLE [37.20, -88.44], 1.5 SE BIRDSVILLE [37.20, -88.43], 1.3 NNW SMITHLAND [37.15, -88.41]

12/28/15 20:00 CST	2K	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River from Smithland upriver past Birdsville. Low-lying bottomland woods and fields were flooded, including parts of a private campground. The flooding continued into early January.

MCCRACKEN COUNTY --- 1.1 ENE ROWLANDTOWN [37.10, -88.61], 3.5 NNE GRAHAMVILLE [37.14, -88.75], 2.4 NE GRAHAMVILLE [37.12, -88.75], 0.8 W ROWLANDTOWN [37.10, -88.64]

12/28/15 23:00 CST	10K	Flood (due to Heavy Rain)
12/31/15 23:59 CST	0	Source: River/Stream Gage

Moderate flooding occurred on the Ohio River. At the Paducah river gage, the river crested at 46.0 feet around noon on New Years Eve. Flood stage is 39 feet at Paducah. Parts of Kentucky Highway 1420 were closed in the flood plain west of Paducah. The riverfront park near downtown Paducah was flooded and closed. Ohio River backwater was responsible for flooding of the Clarks River in eastern McCracken County. There was considerable flooding of low-lying bottomland fields and woods, and water encroached on several residences. Near the Clarks River, a few outbuildings were flooded, and Highways 787, 1255, and 131 were closed. The flooding continued into January.

UNION COUNTY --- 0.9 W UNIONTOWN [37.77, -87.95], 3.7 WNW UNIONTOWN [37.79, -87.99], 4.7 W UNIONTOWN [37.77, -88.02], 1.5 WSW UNIONTOWN [37.77, -87.96]

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/28/15 23:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Ohio River rose above flood stage late in the month, but the river did not crest until early January. In December, there was flooding of low-lying fields and woodlands. Some river access roads were underwater. The flooding continued into early January.

CRITTENDEN COUNTY --- TOLU [37.43, -88.25], 1.3 NW TOLU [37.44, -88.27], 7.0 WNW IRMA [37.40, -88.37], 7.0 W IRMA [37.39, -88.38]				
	12/29/15 04:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Ohio River rose above flood stage late in the month, but the river did not crest until early January. In December, there was flooding of low-lying fields and woodlands. Some river access roads were underwater.

DAVISS COUNTY --- 1.2 ENE OWENSBORO [37.77, -87.10], 1.3 ENE OWENSBORO [37.78, -87.10], 1.2 NW OWENSBORO [37.78, -87.14], 0.8 NW OWENSBORO [37.78, -87.13]				
	12/30/15 20:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River at Owensboro. Bottomland fields were inundated. The flooding continued into January.

HENDERSON COUNTY --- 3.3 NNW BASKETT [37.92, -87.48], 2.6 NNE BASKETT [37.91, -87.46], 4.0 NNE HENDERSON [37.88, -87.55], 3.5 S WHITE CITY [37.90, -87.58], 2.5 S WHITE CITY [37.91, -87.57]				
	12/30/15 20:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

Minor flooding occurred on the Ohio River in the Henderson area. Parts of Audubon State Park were flooded, along with a couple bottomland roads and woodlands near the Green River confluence. The flooding continued into early January.

Flooding of the Ohio and Green Rivers began late in December and continued into January. A very wet pattern developed during the second half of the month. A large upper-level ridge became established over the eastern half of the country, while a large trough formed over the West. This set up a warm southwest flow that brought in copious amounts of moisture.

DAVISS COUNTY --- OWENSBORO [37.77, -87.12]				
	12/27/15 09:58 CST		0	Heavy Rain
	12/27/15 10:45 CST		0	Source: Trained Spotter

Water was reported over the road along much of East 27th Street.

CARLISLE COUNTY --- CUNNINGHAM [36.92, -88.88]				
	12/28/15 09:00 CST		0	Heavy Rain
	12/29/15 14:00 CST		0	Source: Department of Highways

A couple of roads were closed that routinely become covered with water in heavy rain events. This included Kentucky Highway 1820 near the 1 mile marker.

MARSHALL COUNTY --- BENTON [36.87, -88.35], 0.9 E BENTON [36.87, -88.33], 1.2 NNW DOGTOWN [36.87, -88.33], 1.0 NW DOGTOWN [36.86, -88.33]				
	12/28/15 11:46 CST		0	Flood (due to Heavy Rain)
	12/29/15 14:00 CST		0	Source: Department of Highways

The Clarks River rose out of its banks, flooding low-lying fields and woodlands. Kentucky Highway 1462 was closed at the east edge of Benton. A trained spotter measured a storm-total rainfall of 6.27 inches from the 23rd to the 28th. Of that total, 1.22 inches fell in 12 hours on the morning of the 28th.

GRAVES COUNTY --- SYMSONIA [36.92, -88.52], 2.3 N SYMSONIA [36.95, -88.52], 2.3 NNE SYMSONIA [36.95, -88.51], 0.9 NE SYMSONIA [36.93, -88.51]				
	12/28/15 12:08 CST		0	Flash Flood (due to Heavy Rain)
	12/28/15 15:00 CST		0	Source: Trained Spotter

Highway 131 was flooded and closed. The flooding was partially the result of backwater from the Clarks River.

MCCRACKEN COUNTY --- 2.1 NNW KREBS [37.01, -88.63], 2.3 N KREBS [37.01, -88.62], 2.5 ESE LONE OAK [37.02, -88.63], 2.1 WNW MASSAC [37.03, -88.72], 1.8 W MASSAC [37.02, -88.71]				
	12/28/15 12:46 CST		0	Flash Flood (due to Heavy Rain)
	12/28/15 15:00 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Flooding of Champion Creek sent water flowing across the intersection of Highways 994 and 1014. The water was two to three inches deep over a 30-foot area. Barricades were put up for creek flooding that affected Highway 1322 just southwest of Lone Oak.				
HENDERSON COUNTY --- HENDERSON [37.83, -87.58]				
	12/28/15 13:30 CST		0	Heavy Rain
	12/28/15 13:30 CST		0	Source: Emergency Manager
Water was over U.S. Highway 41 near Audubon Park.				
CALLOWAY COUNTY --- NEW CONCORD [36.55, -88.15], DEXTER [36.75, -88.28], KIRKSEY [36.70, -88.38], COLDWATER [36.65, -88.45], LYNN GROVE [36.60, -88.43], HAZEL [36.50, -88.32]				
	12/28/15 13:40 CST		0	Flash Flood (due to Heavy Rain)
	12/28/15 15:00 CST		0	Source: Emergency Manager
Numerous roads were closed across the county due to water over them, including portions of Highways 1429 and 1497.				
LYON COUNTY --- 2.1 NNW EDDYVILLE [37.08, -88.08]				
	12/28/15 14:00 CST		0	Heavy Rain
	12/28/15 14:00 CST		0	Source: Public
The rainfall total over the past seven days was 8.14 inches. Of that total, 2.05 inches fell since midnight on the 28th. A couple of roads were closed that routinely become covered with water in heavy rain events.				
MCCRACKEN COUNTY --- ST JOHNS [36.97, -88.68]				
	12/29/15 08:55 CST		0	Heavy Rain
	12/29/15 08:55 CST		0	Source: Trained Spotter
A trained spotter measured a four-day total of 4.52 inches.				
A cold front lifted north and stalled over the region for a few days. A couple of areas of low pressure developed and moved northeast along the front, bringing multiple rounds of showers and thunderstorms. Rainfall totals from late on the 25th through the 29th ranged from 3 to 6 inches. The heavy rain resulted in widespread standing water and localized flash flooding.				
(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY				
	12/28/15 12:00 CST		9K	Strong Wind (MAX 42 kt)
	12/28/15 18:00 CST		0	
A strong low pressure system moved northeast from western Arkansas into central Illinois by evening. Strong and gusty southwest winds occurred during the afternoon as this system passed by. The strong winds were observed mainly west of Kentucky Lake, including the Purchase area of western Kentucky. Peak gusts were measured to 48 mph by a mesonet site near Hickman, as well as by a meteorologist near Calvert City. The airport site near Mayfield measured a peak gust of 46 mph. The peak gust at the National Weather Service office near Paducah was 47 mph.				
MISSOURI, Southeast				
CAPE GIRARDEAU COUNTY --- GULF JCT [37.27, -89.55], 1.0 ESE GULF JCT [37.27, -89.53], 0.8 SE CAPE GIRARDEAU [37.29, -89.52], 0.7 S CAPE GIRARDEAU [37.29, -89.53]				
	12/01/15 19:00 CST		0	Flood (due to Heavy Rain)
	12/06/15 21:00 CST		0	Source: River/Stream Gage
Minor flooding occurred early in the month on the Mississippi River near Cape Girardeau. Low-lying fields and some riverfront recreation facilities were underwater.				
The dry pattern that occurred in the fall continued to break down. This resulted in a period of minor river flooding early in December. However, the pattern would become much wetter later in the month. This early December flooding was just a precursor of record flooding that would follow very late in December and especially January.				
(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD				

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/11/15 06:00 CST		0	Dense Fog
	12/11/15 10:00 CST		0	

Widespread dense fog formed over parts of southeast Missouri as a result of moist southerly winds. The dense fog was mainly along and northwest of a line from Cape Girardeau to Dexter, including the hilly terrain of the Ozark foothills. Visibility was reduced to one-quarter mile or less.

(MO-Z087) CAPE GIRARDEAU, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

	12/13/15 18:00 CST		23K	Strong Wind (MAX 43 kt)
	12/13/15 23:30 CST		0	

Over the Mississippi River delta counties from Cape Girardeau south, strong south winds ahead of a cold front gusted to around 50 mph. The cold front arced southeast from a low pressure center over the central Plains states. At the Cape Girardeau airport, the peak wind gust was 50 mph. A peak wind gust to 49 mph was measured in southern Mississippi County. At East Prairie in Mississippi County, a tree was uprooted and blown down on power lines and a vehicle.

CAPE GIRARDEAU COUNTY --- GULF JCT [37.27, -89.55], 1.4 SSE CAPE GIRARDEAU [37.28, -89.52], 3.6 ESE GULF JCT [37.25, -89.49], 1.5 NE (CGI)CAPE GIRARDEAU [37.24, -89.55]

	12/18/15 03:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Mississippi River began its rise toward record-setting levels late in the month. The record crest did not occur until early January. In December, there was widespread flooding of low-lying areas not protected by levee systems.

MISSISSIPPI COUNTY --- BIRDS PT [36.97, -89.15], 0.4 NW DORENA [36.58, -89.24], 1.2 ENE DORENA [36.58, -89.21], 3.3 SSW BELMONT [36.73, -89.14], 2.8 SE BIRDS PT [36.94, -89.11]

	12/18/15 03:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

Major flooding began on the Mississippi River by the end of the month. However, the crest did not occur until January. There was widespread flooding of low-lying areas.

PERRY COUNTY --- ALTENBURG [37.63, -89.58], 0.7 SE WITTENBURG [37.64, -89.52], 2.1 E STARLAND [37.70, -89.54], 1.3 NW RED ROCK [37.77, -89.70]

	12/18/15 03:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

Major flooding commenced on the Mississippi River in December. The record crest did not occur until early January. Widespread flooding of low-lying areas occurred.

SCOTT COUNTY --- COMMERCE [37.15, -89.45], SCOTT CITY [37.25, -89.52], 1.6 E SCOTT CITY [37.25, -89.49], 0.9 ENE COMMERCE [37.16, -89.44], 3.0 N LUSK [37.07, -89.38], 1.9 NNW LUSK [37.05, -89.40]

	12/18/15 03:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

Major flooding began on the Mississippi River by the end of the month, but the crest did not occur until early January. There was widespread flooding of low-lying areas.

The start of a record flood on the Mississippi River began in mid-December. A very wet pattern developed during the second half of the month. A large upper-level ridge became established over the eastern half of the country, while a large trough formed over the west. This set up a warm southwest flow that brought in copious amounts of moisture. The primary rainfall event that triggered the historic flooding was a swath of 6 to 12 inches across central Missouri from December 26 to 28. The axis of heaviest rainfall extended roughly along Interstate 44 in Missouri, then northeast into central Illinois.

(MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

	12/22/15 19:00 CST		0	Dense Fog
	12/22/15 23:30 CST		0	

Increasing south winds brought warm and moist air northward across southeast Missouri, setting the stage for widespread dense fog during the evening. Visibility was at or below one-quarter mile, mainly south and east of a line from Poplar Bluff to Cape Girardeau.

CARTER COUNTY --- 1.0 SW CHILTON [36.92, -90.93], 5.0 NE CHILTON [36.98, -90.86]

	12/23/15 09:43 CST		90K	Tornado (EF1, L: 6.00 mi , W: 100 yd)
	12/23/15 09:51 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The tornado began near the Current River along Highway Z and then moved northeast. Hundreds of trees were snapped or uprooted within a well-defined path in the Ozark National Scenic Riverways. The tornado passed through the tiny community of Chilton, where an old abandoned schoolhouse was nearly destroyed. A few homes received siding and shingle damage. Near the end of the damage path along Missouri Highway 21 and U.S. Highway 60, there was damage to the metal roofing of an old saw mill. A saw mill employee reported visually witnessing the tornado. Missouri Highway 21 was closed due to debris and power lines across it. The path was mostly through hilly and forested country. Peak winds were estimated near 95 mph.</p>				
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WAYNE COUNTY --- 4.0 W MILL SPG [37.07, -90.77], 2.0 NW MILL SPG [37.09, -90.73]				
	12/23/15 09:56 CST		5K	Tornado (EF1, L: 2.95 mi , W: 50 yd)
	12/23/15 10:00 CST		0	Source: NWS Storm Survey
<p>Peak winds were estimated near 90 mph. Several tree trunks were snapped, and a few trees were uprooted. Several large tree branches were broken or snapped. The tornado occurred in heavily forested hilly terrain.</p>				
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WAYNE COUNTY --- 0.5 NE PATTERSON [37.19, -90.56], 3.5 ENE PATTERSON [37.20, -90.51]				
	12/23/15 10:08 CST		50K	Tornado (EF1, L: 3.04 mi , W: 75 yd)
	12/23/15 10:12 CST		0	Source: NWS Storm Survey
<p>Peak winds were estimated near 105 mph. A couple dozen tree trunks were snapped, and several large tree branches were broken. Highway 34 was closed due to downed and uprooted trees. The tornado tracked along or just north of Highway 34, but it lifted before crossing U.S. Highway 67. The tornado tracked through forested areas and wetlands near the St. Francis River.</p>				
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RIPLEY COUNTY --- NAYLOR [36.58, -90.60]				
	12/23/15 10:12 CST		0	Thunderstorm Wind (MG 52 kt)
	12/23/15 10:12 CST		0	Source: Emergency Manager
<p>Emergency management personnel measured a wind gust to 60 mph.</p>				
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WAYNE COUNTY --- GREENVILLE [37.13, -90.47]				
	12/23/15 10:12 CST		15K	Thunderstorm Wind (EG 61 kt)
	12/23/15 10:12 CST		0	Source: Emergency Manager
<p>Roofs were damaged in the downtown area, including the roof of the courthouse and a bank.</p>				
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STODDARD COUNTY --- 1.0 SW PUXICO [36.94, -90.19]				
	12/23/15 10:35 CST		6K	Thunderstorm Wind (EG 52 kt)
	12/23/15 10:35 CST		0	Source: Fire Department/Rescue
<p>A tree was blown down on a house.</p>				
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BOLLINGER COUNTY --- 2.2 NE LUTESVILLE AIRPK ARP [37.34, -89.99], 2.3 ESE HURRICANE [37.41, -89.98]				
	12/23/15 10:40 CST		20K	Thunderstorm Wind (EG 61 kt)
	12/23/15 10:40 CST		0	Source: Law Enforcement
<p>Along Highway 306 several miles north of Marble Hill, a barn was blown down. About ten miles north of Marble Hill, a carport roof was blown off on Highway M.</p>				
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PERRY COUNTY --- PERRYVILLE [37.72, -89.87]				
	12/23/15 10:57 CST		3K	Thunderstorm Wind (EG 50 kt)
	12/23/15 10:57 CST		0	Source: Law Enforcement
<p>A couple of trees were blown down.</p>				
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CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53], WHITEWATER [37.23, -89.80]				
	12/23/15 11:00 CST		4K	Thunderstorm Wind (EG 52 kt)
	12/23/15 11:15 CST		0	Source: Broadcast Media
<p>Several tree limbs were blown down in Cape Girardeau. In Whitewater, a carport was tossed onto a house.</p>				
<hr/>				
MISSISSIPPI COUNTY --- EAST PRAIRIE [36.78, -89.38]				
	12/23/15 12:15 CST		3K	Thunderstorm Wind (EG 52 kt)
	12/23/15 12:15 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A power line was down, blocking a road.

SCOTT COUNTY --- SIKESTON [36.88, -89.58]

	12/23/15 14:04 CST	0	0	Hail (1.00 in)
	12/23/15 14:04 CST	0	0	Source: Law Enforcement

MISSISSIPPI COUNTY --- BERTRAND [36.92, -89.43]

	12/23/15 14:15 CST	0	0	Hail (0.88 in)
	12/23/15 14:15 CST	0	0	Source: Trained Spotter

Two fast-moving lines of strong to severe storms moved east across southeast Missouri, accompanied by strong winds and isolated tornadoes. A few bowing segments along the lines produced damaging winds. Conditions were favorable for severe storms. A negatively-tilted mid-level trough from the central high Plains to the Arklatex ejected northeast through the middle Mississippi Valley. At the surface, an area of low pressure over northeast Kansas moved to central Wisconsin. A trailing cold front surged eastward through the Mid-Mississippi and Lower Ohio Valleys. The storms were fed by a broadening and strengthening southwesterly low-level jet, which destabilized the atmosphere ahead of the storms. The presence of strong low-level and deep-layer wind shear enhanced the risk of wind damage and tornadoes.

Storm Data and Unusual Weather Phenomena - December 2015

Location

Date/Time

Deaths &
Injuries

Property &
Crop Dmg

Event Type and Details



Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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This is a photo showing the path of downed trees produced by a tornado in the Ozark National Scenic Riverways, near the Current River. The EF-1 tornado tracked across parts of Carter County. Photo from Doug Cramer, NWS Springfield, MO.

(MO-Z087) CAPE GIRARDEAU

12/27/15 03:00 CST		1K	Strong Wind (MAX 43 kt)
12/27/15 04:00 CST		0	

A short period of strong winds accompanied a cold front as it moved southeast across the Cape Girardeau area. The peak wind at the Cape Girardeau airport was 50 mph.

STODDARD COUNTY --- BERNIE [36.68, -89.97]

12/27/15 09:40 CST		0	Heavy Rain
12/27/15 09:40 CST		0	Source: Trained Spotter

A trained spotter received two inches of rain in just under four hours.

WAYNE COUNTY --- 2.9 NNE SILVA [37.21, -90.50], 2.0 ENE SILVA [37.18, -90.49], 1.2 ENE SILVA [37.17, -90.50], 2.7 N SILVA [37.21, -90.51]

12/27/15 16:00 CST		0	Flood (due to Heavy Rain)
12/30/15 05:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred along the St. Francis River. At the Patterson river gage, the river crested at 26.59 feet around 2 A.M. CST on the 29th. Flood stage there is 16 feet. There was considerable flooding of fields and parkland adjacent to the river.

BUTLER COUNTY --- 0.7 SE MENGO [36.79, -90.37], 1.4 ESE MENGO [36.79, -90.36], 1.3 ENE POPLAR BLUFF [36.75, -90.38], 1.5 NE POPLAR BLUFF [36.77, -90.38]

12/27/15 23:00 CST		2K	Flood (due to Heavy Rain)
12/30/15 21:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred along the Black River. At the Poplar Bluff river gage, the river crested at 19.57 feet on the evening of the 29th. Flood stage there is 16 feet. Mainly bottomland woods and fields were inundated, including a riverside park in Poplar Bluff.

SCOTT COUNTY --- DIEHLSTADT [36.97, -89.43]

12/28/15 08:53 CST		0	Heavy Rain
12/28/15 08:53 CST		0	Source: Trained Spotter

Rainfall during the past 24 hours was 2.07 inches. The storm-total rainfall since the 25th was 4.16 inches.

BOLLINGER COUNTY --- CASTOR [37.30, -90.22], ZALMA [37.15, -90.08], 1.2 SSE SANK [37.16, -90.02], 1.8 NNE MARBLE HILL [37.33, -89.96]

12/28/15 09:00 CST		0	Flood (due to Heavy Rain)
12/28/15 16:00 CST		0	Source: Emergency Manager

Many lowland areas were flooded, covering parts of many county roads. State Highway H was closed. Parts of State Highways V and C were covered with water. The storm-total rainfall at Marble Hill was 6.71 inches since the 26th. Approximately 3.01 inches of the total rainfall occurred in the past 24 hours.

PERRY COUNTY --- 1.7 WSW BREWERVILLE [37.77, -89.96], 1.2 NW PERRYVILLE [37.73, -89.89], 1.5 WNW PERRYVILLE [37.72, -89.90], 2.5 WSW BREWERVILLE [37.76, -89.97]

12/28/15 09:00 CST		0	Flood (due to Heavy Rain)
12/28/15 13:00 CST		0	Source: Trained Spotter

Perry County Roads 816 and 801 were closed due to flooding.

CAPE GIRARDEAU COUNTY --- 2.0 N DELTA [37.23, -89.75]

12/28/15 10:12 CST		0	Heavy Rain
12/28/15 10:12 CST		0	Source: Trained Spotter

Water was over County Road 244 off of Highway N, just north of Delta.

STODDARD COUNTY --- DUDLEY [36.78, -90.10], 3.0 E DEXTER [36.80, -89.90]

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/28/15 10:35 CST		0	Heavy Rain
	12/28/15 13:18 CST		0	Source: Trained Spotter

The storm-total rainfall in Dudley since the 26th was 5.86 inches. Of that total, 2.70 inches fell since midnight on the 28th. Water was over portions of several roads, including U.S. Highway 60.

BUTLER COUNTY --- 7.0 NW POPLAR BLUFF [36.82, -90.49]

	12/28/15 12:45 CST		0	Heavy Rain
	12/28/15 12:45 CST		0	Source: Trained Spotter

The storm-total rainfall since the 26th was 6.08 inches. Of that total, 1.55 inches fell since midnight on the 28th.

RIPLEY COUNTY --- 1.4 W DONIPHAN [36.62, -90.85], 1.6 SW DONIPHAN [36.61, -90.84], 1.5 SW DONIPHAN [36.60, -90.84], 0.6 SSW DONIPHAN [36.61, -90.83], 0.8 WNW DONIPHAN [36.62, -90.83]

	12/28/15 13:00 CST		0.20M	Flood (due to Heavy Rain)
	12/31/15 02:00 CST		0	Source: River/Stream Gage

Major flooding occurred along the Current River. At the Doniphan river gage, the river crested at 22.82 feet around 5 A.M. CST on the 30th. Flood stage there is 13 feet. Jefferson Street, along which the police station and courthouse is located, became impassable due to flooding. About a dozen homes were evacuated. Several businesses were flooded, including a couple of resorts on the river. Parts of downtown Doniphan were flooded. The entrance into Doniphan on Highway 142 was flooded.

CAPE GIRARDEAU COUNTY --- JACKSON [37.38, -89.67]

	12/28/15 14:00 CST		0	Heavy Rain
	12/28/15 14:00 CST		0	Source: Trained Spotter

The storm-total rainfall since the 26th was 6.9 inches. Of that total, 1.9 inches fell during the past 14 hours.

NEW MADRID COUNTY --- 3.8 SE NEW MADRID [36.56, -89.48], 4.2 ESE NEW MADRID [36.58, -89.46], 2.2 ESE NEW MADRID [36.59, -89.49], 1.2 S NEW MADRID [36.58, -89.53]

	12/28/15 19:00 CST		0	Flood (due to Heavy Rain)
	12/31/15 23:59 CST		0	Source: River/Stream Gage

The Mississippi River rose above flood stage late in the month, but the crest did not occur until early January. In December, there was flooding of low-lying fields and woodlands.

CARTER COUNTY --- 0.7 SSE VAN BUREN MUNI ARPT [36.99, -91.00], 2.2 NW CHILTON [36.95, -90.95], 1.6 ESE SOUTH VAN BUREN [36.94, -90.99], 0.4 SSW VAN BUREN [36.99, -91.02], 0.1 WNW VAN BUREN [37.00, -91.02]

	12/29/15 03:00 CST		25K	Flood (due to Heavy Rain)
	12/29/15 21:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred along the Current River. At the Van Buren river gage, the river crested at 23.12 feet around noon on the 29th. Flood stage there is 20 feet. Two homes within the city limits of Van Buren were flooded. Boat ramps, parks, and baseball fields along the river were flooded.

BUTLER COUNTY --- 1.0 E QULIN [36.60, -90.25]

	12/29/15 08:55 CST		0	Heavy Rain
	12/29/15 08:55 CST		0	Source: COOP Observer

The co-operative observer measured a four-day storm-total rainfall of 7.30 inches.

SCOTT COUNTY --- DIEHLSTADT [36.97, -89.43]

	12/29/15 08:55 CST		0	Heavy Rain
	12/29/15 08:55 CST		0	Source: Trained Spotter

The four-day storm-total rainfall was 4.89 inches.

A cold front lifted north and stalled over the region for a few days. A couple of areas of low pressure developed and moved northeast along the front, bringing multiple rounds of showers and thunderstorms. Rainfall totals from late on the 25th through the 29th ranged from about 5 to 7 inches. The heavy rain caused moderate to major flooding of rivers, such as the Current and Black Rivers.

(MO-Z087) CAPE GIRARDEAU, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

	12/28/15 12:00 CST		6K	Strong Wind (MAX 44 kt)
	12/28/15 18:00 CST		0	

Storm Data and Unusual Weather Phenomena - December 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A strong low pressure system moved northeast from western Arkansas into central Illinois by evening. Strong and gusty southwest winds occurred during the afternoon as this system passed by. The strong winds were observed mainly along and southeast of a line from Poplar Bluff to Cape Girardeau, including the Mississippi River delta region of southeast Missouri. Peak gusts were measured to 51 mph at the Poplar Bluff airport and 48 mph at the Sikeston and Cape Girardeau airports.