

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
ALEXANDER COUNTY --- 2.3 ESE CAIRO [36.98, -89.14], 2.5 ESE CAIRO [36.99, -89.14], 1.0 ENE CAIRO [37.01, -89.16], 1.1 ESE CAIRO [37.00, -89.16]				
	02/01/12 00:00 CST		0	Flood (due to Heavy Rain)
	02/08/12 19:00 CST		0	Source: River/Stream Gage
Minor flooding occurred along the Ohio River. Low-lying fields and local river access roads were flooded.				
GALLATIN COUNTY --- 1.0 SSW SHAWNEETOWN [37.69, -88.14], 0.9 SW SHAWNEETOWN [37.69, -88.14], 2.2 SW SHAWNEETOWN [37.68, -88.16], 2.0 SSW SHAWNEETOWN [37.68, -88.15]				
	02/01/12 00:00 CST		0	Flood (due to Heavy Rain)
	02/08/12 10:00 CST		0	Source: River/Stream Gage
Minor flooding of low-lying woods and fields occurred along the Ohio River.				
MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 2.4 ESE METROPOLIS [37.14, -88.69], 2.4 ESE METROPOLIS [37.14, -88.69], 0.3 WSW BROOKPORT [37.12, -88.63]				
	02/01/12 00:00 CST		0	Flood (due to Heavy Rain)
	02/08/12 18:00 CST		0	Source: River/Stream Gage
Minor flooding occurred along the Ohio River. Low-lying woods and fields near the river were flooded. Some low parts of Fort Massac State Park were flooded.				
PULASKI COUNTY --- 0.6 SE OLMSTED [37.17, -89.07], 2.6 S NEW GRAND CHAIN [37.21, -89.02], 2.3 SSW NEW GRAND CHAIN [37.22, -89.03], 0.8 ENE OLMSTED [37.19, -89.07]				
	02/01/12 00:00 CST		0	Flood (due to Heavy Rain)
	02/08/12 17:00 CST		0	Source: River/Stream Gage
Minor flooding of low-lying fields occurred along the Ohio River.				
WHITE COUNTY --- 2.5 ENE BROWNSVILLE [38.04, -88.21], 3.0 SSW CARMi [38.04, -88.18], 1.0 S CARMi [38.07, -88.17], 1.4 SW CARMi [38.07, -88.19]				
	02/01/12 00:00 CST		0	Flood (due to Heavy Rain)
	02/02/12 11:00 CST		0	Source: River/Stream Gage
Minor flooding of low-lying fields occurred along the Little Wabash River.				
POPE COUNTY --- GOLCONDA [37.37, -88.48], 2.1 SSW GOLCONDA [37.34, -88.49], 2.2 S GOLCONDA [37.34, -88.49], 0.7 S GOLCONDA [37.36, -88.48]				
	02/01/12 18:00 CST		0	Flood (due to Heavy Rain)
	02/04/12 13:00 CST		0	Source: River/Stream Gage
Minor flooding of low-lying woods and fields occurred along the Ohio River.				
Wet conditions in late January brought the Little Wabash and Ohio Rivers back above flood stage. This heavy rain caused the rivers to rise above flood stage by the end of January, but they did not crest until the first few days of February. Only minor flooding occurred.				
WABASH COUNTY --- MT CARMEL [38.42, -87.77], 1.5 ESE MT CARMEL [38.41, -87.74], 2.6 SSE PATTON [38.45, -87.73], 2.1 NNE MT CARMEL [38.45, -87.75]				
	02/01/12 00:00 CST		2K	Flood (due to Heavy Rain)
	02/07/12 01:30 CST		0	Source: River/Stream Gage
Minor flooding of low-lying fields and woodlands occurred along the Wabash River. Several local river roads were flooded. A restaurant along the river was closed. All oil field production ceased with the exception of pumping units on substructures. Access to these was by boat only. Many river cabins were inaccessible.				
WHITE COUNTY --- MAUNIE [38.03, -88.05], 0.8 E MAUNIE [38.03, -88.03], 0.9 NNE RISING SUN [38.01, -88.03], 1.2 SSE MAUNIE [38.01, -88.05]				
	02/01/12 00:00 CST		1K	Flood (due to Heavy Rain)
	02/08/12 14:00 CST		0	Source: River/Stream Gage
Minor flooding of low-lying fields and woodlands occurred along the Wabash River. Oil field production was restricted. A few local river roads were flooded.				

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Significant rainfall in late January brought minor river flooding to the Wabash River. Three rain events during the last half of January were responsible for the flooding. The river basin received a total of 2 to 6 inches of rainfall from late on the 16th through early on the 27th of January. The February river flooding was similar to December's minor flooding. The river crested during the first few days of February.

(IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

02/01/12 06:30 CST	0	Dense Fog
02/01/12 08:15 CST	0	

Widespread dense fog formed along and south of a line from Carbondale to Harrisburg. Visibility dropped to one-quarter mile or less for up to a couple of hours. The fog occurred with light winds in the vicinity of a weak cold front. The fog followed showers and thunderstorms that moistened the ground.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z086) SALINE, (IL-Z087) GALLATIN

02/02/12 05:00 CST	0	Dense Fog
02/02/12 10:30 CST	0	

A large area of dense fog moved steadily southward across southeast Illinois. The widespread dense fog reduced visibility to one-quarter mile or less.

(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

02/13/12 15:00 CST	0	Winter Weather
02/14/12 03:00 CST	0	

Ahead of an upper-level shortwave trough over western Missouri, a mixture of sleet and snow developed from west to east. A strong southerly low-level wind flow of warmth and moisture contributed to the development of precipitation, which eventually changed over to light drizzle. Snow accumulations were around one inch north and west of Carbondale, including Pinckneyville and Mcleansboro. One-half inch or less of a snow/sleet mix fell from Marion and Carbondale down to Metropolis and Cairo. Roads were slick in some spots, and some bridges were slippery. Most of the snow accumulation was on grass and other non-paved surfaces.

(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

02/17/12 00:00 CST	0	Dense Fog
02/17/12 10:00 CST	0	

High pressure was centered over the Lower Ohio Valley. Clear skies and light winds set the stage for the development of dense fog. The dense fog reduced visibility to one-quarter mile or less.

UNION COUNTY --- 2.8 W ALDRIDGE [37.56, -89.52], 4.3 NW WATER VLY [37.60, -89.22]

02/29/12 04:00 CST	0.10M	Tornado (EF2, L: 16.79 mi , W: 300 yd)
02/29/12 04:18 CST	0	Source: NWS Storm Survey

The tornado crossed the Mississippi River from Cape Girardeau County into northwestern Union County. After exiting cropland in the Mississippi River floodplain, the tornado tracked through the Shawnee National Forest. The damage path extended just north of Bald Knob, then directly across Alto Pass. Thousands of trees were snapped or uprooted, and several houses were damaged. The houses that were damaged suffered primarily partial roof loss. The houses were located in Alto Pass, where EF-2 damage occurred. Numerous barns and grain bins were destroyed. Many power lines were blown down. Peak winds were estimated near 115 mph. The average path width was 250 yards. The tornado path crossed into Giant City State Park and into the southeast corner of Jackson County.

JACKSON COUNTY --- 2.2 ESE MAKANDA [37.61, -89.16], 2.2 E MAKANDA [37.62, -89.16]

02/29/12 04:16 CST	50K	Thunderstorm Wind (EG 96 kt)
02/29/12 04:18 CST	0	Source: NWS Storm Survey

A downburst averaging 1/2 mile wide resulted in thousands of trees being snapped or uprooted in the Devil's Kitchen Lake area, around and east of the Giant City State Park area. Peak winds were estimated near 110 mph.

JACKSON COUNTY --- 1.9 SW MAKANDA [37.60, -89.22], 1.9 ESE MAKANDA [37.61, -89.17]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/29/12 04:18 CST		0.10M	Tornado (EF2, L: 2.99 mi , W: 300 yd)
	02/29/12 04:20 CST		0	Source: NWS Storm Survey

The tornado passed into southeast Jackson County from Union County. The tornado was only on the ground for a short time in Jackson County before it lifted. The damage path ended in Giant City State Park. Thousands of trees were snapped or uprooted. Barns and grain bins were destroyed, along with downed power lines. Peak winds were estimated near 115 mph. The average path width was 250 yards.

WILLIAMSON COUNTY --- 5.1 WSW WOLF CREEK [37.60, -89.14]

02/29/12 04:20 CST		50K	Thunderstorm Wind (EG 87 kt)
02/29/12 04:20 CST		0	Source: NWS Storm Survey

A downburst averaging 1/2 mile wide resulted in thousands of trees being snapped or uprooted in the Devil's Kitchen Lake area, around and east of the Giant City State Park area. Peak winds were estimated near 100 mph.

JACKSON COUNTY --- BOSKYDELL [37.67, -89.22]

02/29/12 04:22 CST		0	Hail (1.00 in)
02/29/12 04:22 CST		0	Source: Emergency Manager

WILLIAMSON COUNTY --- 0.7 N WOLF CREEK [37.63, -89.05], 1.0 E SARAVILLE [37.67, -88.78]

02/29/12 04:26 CST		0.10M	Tornado (EF2, L: 14.91 mi , W: 300 yd)
02/29/12 04:40 CST		0	Source: NWS Storm Survey

The tornado was spawned by the same supercell that produced an EF-2 tornado in Union and extreme southeast Jackson Counties. The tornado touched down in the Crab Orchard National Wildlife Refuge, just southeast of Little Grassy Lake. The tornado moved east-northeast across Interstate 57, passing south of Marion. A large metal warehouse building was heavily damaged. Numerous homes sustained mainly minor roof damage. Hundreds of trees were snapped or uprooted, and many power lines were blown down. Several barns and outbuildings were destroyed or heavily damaged. The peak EF-2 intensity estimate was based on damage southeast of Marion, near the location where the tornado crossed Highway 166. Peak winds were estimated near 120 mph. The average path width was 250 yards.

WILLIAMSON COUNTY --- HUDGENS [37.65, -88.93]

02/29/12 04:40 CST		0	Hail (0.75 in)
02/29/12 04:40 CST		0	Source: Trained Spotter

SALINE COUNTY --- 1.0 N CARRIERS MILLS [37.69, -88.65], 1.4 E BROOKLYN [37.77, -88.38]

02/29/12 04:51 CST	7	2M	Tornado (EF4, L: 15.93 mi , W: 325 yd)
02/29/12 05:04 CST	95	0	Source: NWS Storm Survey

The tornado touched down about a mile north of Carrier Mills, then moved east-northeast through Harrisburg. The violent tornado produced a swath of devastation in south and southeast parts of Harrisburg. In Harrisburg, over 200 homes and about 25 businesses were heavily damaged or destroyed. The damage was in residential neighborhoods in the far south and southeast sections of Harrisburg. The commercial strip along U.S. Highway 45 in the south part of the city was directly impacted. A strip mall on the east side of U.S. Route 45 was destroyed. The tornado struck the Harrisburg medical center and surrounding residences on the southeast side of town. At least ten homes or other buildings were levelled, with several home structures displaced from their foundations. The neighborhood with the levelled homes and fatalities was adjacent to the destroyed strip mall. The tornado proceeded across Illinois Route 13 a few miles east of Harrisburg, destroying a farm house and a business. Hundreds of large trees were snapped or uprooted, along with many downed power lines. Peak winds were estimated near 180 mph based on numerous levelled and displaced homes. The average path width was 275 yards. The tornado continued into Gallatin County shortly after crossing Highway 142.

Direct Fatalities: M70PH, M50PH, F22PH, F75PH, F61PH, M64PH, F74PH

PULASKI COUNTY --- 0.7 S MOUNDS [37.11, -89.20], 1.5 NE AMERICA [37.14, -89.10]

02/29/12 05:00 CST		0	Tornado (EF2, L: 6.03 mi , W: 150 yd)
02/29/12 05:07 CST		0	Source: NWS Storm Survey

The EF2 tornado touched down just southwest of Mounds, moved east-northeast through Mounds, and crossed Interstate 57 near exit 8. A cross arm was ripped off a railroad sign and driven into a vehicle. The tornado crossed the Ohio River near the town of America, where it proceeded to cause damage in Ballard County, Kentucky.

GALLATIN COUNTY --- 3.8 NW EQUALITY [37.77, -88.38], 2.4 SSW INMAN [37.80, -88.19]

02/29/12 05:04 CST		1M	Tornado (EF4, L: 10.16 mi , W: 300 yd)
02/29/12 05:13 CST	13	0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The tornado crossed into Gallatin County from Saline County in the vicinity of Illinois Highway 142. The tornado moved east-northeast through very sparsely populated farm country before striking Ridgway directly. In Ridgway, the tornado damaged about 140 homes and businesses, causing one critical injury and about a dozen relatively minor injuries. Numerous cars were tossed around, mainly on the east side of Ridgway. A large historic church was completely destroyed. Hundreds of large trees were snapped or uprooted, along with many power lines down. A half dozen grain bins were destroyed. The tornado lifted about 4 miles east-northeast of Ridgway. The average path width was 275 yards. Peak winds were estimated near 180 mph.</p>				

MASSAC COUNTY --- 2.4 SSE ROUND KNOB [37.22, -88.73]				
	02/29/12 05:23 CST		0	Thunderstorm Wind (EG 52 kt)
	02/29/12 05:28 CST		0	Source: Emergency Manager

A wind gust was measured to 60 mph.

MASSAC COUNTY --- 2.0 WSW METROPOLIS MUNI ARPT [37.17, -88.78], 0.4 ENE METROPOLIS MUNI ARPT [37.18, -88.74]				
	02/29/12 05:35 CST		50K	Tornado (EF2, L: 2.38 mi , W: 150 yd)
	02/29/12 05:39 CST		0	Source: NWS Storm Survey

The tornado crossed the Ohio River from McCracken County, Kentucky. The tornado crossed U.S. Highway 45 before it lifted near the airport. Trees were uprooted and snapped. Barns and sheds were damaged or destroyed. The average path width was 125 yards. Peak winds were estimated near 120 mph.

A squall line with embedded sustained supercells crossed southern Illinois. The embedded supercells raced east-northeast at 60 to 70 mph, while the line moved southeast at a slower rate. The storms strengthened as they encountered richer low-level moisture, with surface dew points around 60 degrees spreading rapidly north-northeastward up the Mississippi Valley. Intense low to mid-level wind fields maintained the intensity of tornadic storms despite weak instability due to lack of solar heating. A south-southwesterly low level jet from 60 to 70 knots veered to west-southwest around 75 knots at 500 mb.

INDIANA, Southwest

GIBSON COUNTY --- 1.4 NNW HAZLETON [38.50, -87.54], 1.7 NNE HAZLETON [38.50, -87.52], 1.3 WSW GIRO [38.50, -87.49], 1.3 WSW GIRO [38.49, -87.49], 1.1 NNW HAZLETON [38.49, -87.54]				
	02/01/12 00:00 CST		2K	Flood (due to Heavy Rain)
	02/06/12 11:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the White River. Most of the low bottomlands were flooded. Flooding began in higher bottomlands. A few streets on the river side of the railroad tracks were flooded. Oil stripped fields were flooded. Floodgates were installed at Hazleton. Floodwaters covered the Hazleton softball field. Pottsville Road and a few other low rural roads flooded. High water isolated Pottstown, a river cabin community.

GIBSON COUNTY --- EAST MT CARMEL [38.40, -87.73], 1.0 W EAST MT CARMEL [38.40, -87.75], 1.1 NW EAST MT CARMEL [38.41, -87.74], 1.0 NNW EAST MT CARMEL [38.41, -87.73]				
	02/01/12 00:00 CST		2K	Flood (due to Heavy Rain)
	02/07/12 01:30 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Wabash River. Low-lying fields and woodlands were flooded. Floodwaters began to affect residents of East Mt. Carmel. Several local river roads were flooded. All oil field production ceased with the exception of pumping units on substructures. Access to these was by boat only. Many river cabins became inaccessible.

PIKE COUNTY --- PETERSBURG [38.50, -87.28], 0.9 NNW PETERSBURG [38.51, -87.28], 2.1 NE PETERSBURG [38.52, -87.26], 1.8 NE PETERSBURG [38.52, -87.26]				
	02/01/12 00:00 EST		2K	Flood (due to Heavy Rain)
	02/05/12 13:00 EST		0	Source: River/Stream Gage

Minor flooding occurred along the White River. County Road 250 West from State Road 56 flooded and blocked vehicle access to the tiny community of Dodge City. Low bottomlands were flooded, and flooding began on higher bottomlands. Over a half dozen county roads were flooded. East of State Route 57, flooded county roads included 750N, 600N, and 1000E. West of State Route 57, flooded county roads included 250W, 400W, 675N, 700N, 1000W, 900W, 700W, and 775W.

POSEY COUNTY --- NEW HARMONY [38.13, -87.93], 0.5 WNW NEW HARMONY [38.13, -87.94], 1.2 NNE NEW HARMONY [38.15, -87.92], 1.2 NNE NEW HARMONY [38.15, -87.92]				
	02/01/12 00:00 CST		1K	Flood (due to Heavy Rain)
	02/08/12 05:00 CST		0	Source: River/Stream Gage

Minor flooding of low-lying fields and woodlands occurred along the Wabash River. Oil field production was restricted. A few local river roads were flooded.

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Significant rainfall in late January brought minor river flooding to the White and Wabash Rivers. Three rain events during the last half of January were responsible for the flooding. The river basins received a total of 2 to 6 inches of rainfall from late on the 16th through early on the 27th of January. The February river flooding was similar to December's minor flooding. The rivers crested during the first few days of February.

POSEY COUNTY --- 1.2 SW MT VERNON [37.92, -87.92], 1.2 SW MT VERNON [37.92, -87.91], 0.4 SSW MT VERNON [37.92, -87.90], 0.5 SW MT VERNON [37.92, -87.91]

02/01/12 00:00 CST	0	Flood (due to Heavy Rain)
02/05/12 13:00 CST	0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Ohio River.

WARRICK COUNTY --- 2.2 ESE NEWBURGH [37.94, -87.38], 2.2 ESE NEWBURGH [37.93, -87.39], 1.4 ESE NEWBURGH [37.94, -87.40], 1.3 ESE NEWBURGH [37.94, -87.40]

02/01/12 00:00 CST	0	Flood (due to Heavy Rain)
02/04/12 10:00 CST	0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Ohio River. The river crested on the 30th of January and then began to fall.

Wet conditions in late January brought the Ohio River back above flood stage. The heavy rain caused the river to rise above flood stage by the end of January, but the river fell back below flood stage during the first week of February. Only minor flooding occurred.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

02/02/12 05:00 CST	0	Dense Fog
02/02/12 12:00 CST	0	

A large area of dense fog moved steadily southward across southwest Indiana. The widespread dense fog reduced visibility to one-quarter mile or less.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

02/13/12 21:00 CST	0	Winter Weather
02/14/12 05:00 CST	0	

Ahead of an upper-level shortwave trough over western Missouri, a mixture of sleet and snow developed from west to east. A strong southerly low-level wind flow of warmth and moisture contributed to the development of precipitation, which eventually changed over to drizzle or freezing drizzle. Snow and sleet accumulations were around one-half inch. Both treated and untreated pavement became covered with the sleet and snow mixture. A trace amount of freezing drizzle added to the hazardous conditions.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

02/17/12 04:00 CST	0	Dense Fog
02/17/12 11:00 CST	0	

High pressure was centered over the Lower Ohio Valley. Clear skies and light winds set the stage for the development of dense fog. The dense fog reduced visibility to one-quarter mile or less.

POSEY COUNTY --- WADESVILLE [38.10, -87.78]

02/28/12 23:13 CST	0	Hail (1.00 in)
02/28/12 23:13 CST	0	Source: Trained Spotter

WARRICK COUNTY --- 0.5 SSE NEWBURGH [37.94, -87.41], 2.4 S PARADISE [37.95, -87.37]

02/29/12 06:03 CST	0.25M	Tornado (EF1, L: 2.36 mi , W: 150 yd)
02/29/12 06:06 CST	0	Source: NWS Storm Survey

A tornado caused significant damage in the city of Newburgh. One garage was levelled, and about two dozen homes received varying degrees of roof damage. Two of the homes were destroyed, with their roofs completely removed. Fifteen to twenty other homes had partial roof damage. Two businesses sustained partial roof damage, and the brick wall of a third business was damaged. About twelve telephone poles were blown over. Numerous large trees were blown down, including some across Highway 66. The tornado came off the Ohio River. Peak winds were estimated near 90 mph. The average path width was 100 yards.

SPENCER COUNTY --- 3.0 NE CHRISNEY [38.05, -86.99]

02/29/12 06:27 CST	0	Funnel Cloud
02/29/12 06:27 CST	0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A squall line with embedded sustained supercells crossed southwest Indiana. The embedded supercells raced east-northeast at 60 to 70 mph, while the line moved southeast at a slower rate. The storms strengthened as they encountered richer low-level moisture, with surface dew points around 60 degrees spreading rapidly north-northeastward up the Mississippi Valley. Intense low to mid-level wind fields maintained the intensity of tornadic storms despite weak instability due to lack of solar heating. A south-southwesterly low level jet from 60 to 70 knots veered to west-southwest around 75 knots at 500 mb.

KENTUCKY, Southwest

MUHLENBERG COUNTY --- PARADISE [37.27, -86.98], 0.4 W PARADISE [37.27, -86.99], 1.4 NNW PARADISE [37.29, -86.99], 1.2 N PARADISE [37.29, -86.98]

	02/01/12 00:00 CST	0	Flood (due to Heavy Rain)
	02/01/12 06:00 CST	0	Source: River/Stream Gage

Minor flooding of low-lying woods and fields occurred along the Green River. The river crested in late January and then began to fall.

UNION COUNTY --- 2.7 NNE UNIONTOWN [37.80, -87.91], 2.7 NE UNIONTOWN [37.80, -87.90], 0.9 N UNIONTOWN [37.78, -87.93], 1.5 N UNIONTOWN [37.79, -87.93]

	02/01/12 00:00 CST	0	Flood (due to Heavy Rain)
	02/06/12 11:00 CST	0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Ohio River. Several farm roads were flooded. The river rose above flood stage in late January and crested in early February.

Wet conditions in late January brought portions of the Ohio and Green Rivers above flood stage. The heavy rain caused the rivers to rise above flood stage by the end of January. The rivers fell back below flood stage during the first week of February. Only minor flooding occurred.

(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-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN

	02/13/12 17:00 CST	0	Winter Weather
	02/14/12 03:00 CST	0	

Ahead of an upper-level shortwave trough over western Missouri, a mixture of sleet and snow developed from west to east. A strong southerly low-level wind flow of warmth and moisture contributed to the development of precipitation, which eventually changed over to rain and drizzle. One-half inch or less of a snow/sleet mix fell north and west of a line from Cadiz to Madisonville and Greenville. Roads were slick in some spots, and some bridges were slippery. Most of the snow accumulation was on grass and other non-paved surfaces.

(KY-Z004) BALLARD, (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, (KY-Z021) MUHLENBERG

	02/17/12 03:00 CST	0	Dense Fog
	02/17/12 09:00 CST	0	

High pressure was centered over the Lower Ohio Valley. Clear skies and light winds set the stage for the development of dense fog. Along and north of a line from Paducah to Madisonville, the dense fog reduced visibility to one-quarter mile or less.

HOPKINS COUNTY --- MANITOU [37.37, -87.58]

	02/22/12 16:40 CST	0	Hail (1.00 in)
	02/22/12 16:40 CST	0	Source: Trained Spotter

MUHLENBERG COUNTY --- BREMEN [37.37, -87.22]

	02/22/12 17:07 CST	0	Hail (0.88 in)
	02/22/12 17:07 CST	0	Source: Law Enforcement

An isolated severe thunderstorm developed along a warm front that extended east across western Kentucky. The warm front extended east from a low pressure center over southeast Missouri. The storms produced a couple reports of large hail.

CRITTENDEN COUNTY --- MATTOON [37.40, -88.02]

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/22/12 22:30 CST		0	Hail (1.00 in)
	02/22/12 22:30 CST		0	Source: State Official
<hr/>				
WEBSTER COUNTY --- PROVIDENCE [37.40, -87.77]				
	02/22/12 22:58 CST		0	Hail (0.88 in)
	02/22/12 22:58 CST		0	Source: Trained Spotter
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HOPKINS COUNTY --- 4.0 W MADISONVILLE [37.33, -87.57]				
	02/22/12 23:08 CST		0	Hail (0.75 in)
	02/22/12 23:08 CST		0	Source: Trained Spotter
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HOPKINS COUNTY --- MADISONVILLE [37.33, -87.50]				
	02/22/12 23:23 CST		0	Hail (1.25 in)
	02/22/12 23:23 CST		0	Source: Trained Spotter
<hr/>				
Half-dollar size hail occurred on the south side of Madisonville.				
An isolated severe thunderstorm moved southeast across the Pennyrile region of western Kentucky. The storm produced sporadic reports of large hail. The storm occurred beneath a strengthening band of westerly winds in the mid levels of the atmosphere. A small-scale shortwave trough provided support for the storm.				
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BALLARD COUNTY --- 3.9 WNW OSCAR [37.14, -89.10], 2.6 ENE BANDANA [37.16, -88.90]				
	02/29/12 05:07 CST		0.10M	Tornado (EF2, L: 10.60 mi , W: 150 yd)
	02/29/12 05:17 CST		0	Source: NWS Storm Survey
<hr/>				
The tornado crossed the Ohio River from Pulaski County, IL into the Ballard State Waterfowl Management Area along the river in Ballard County. Near Oscar, a few barns and a machine shed were blown down. A porch was blown off a home. The tornado carved a damage path near Bandana and Oscar. One mobile home and one farm was destroyed near Bandana. Hundreds of trees were uprooted or snapped. Some homes sustained minor to moderate roof damage. Other homes received siding and gutter damage. Several power poles were snapped. Several chicken houses were damaged or destroyed. Peak winds were estimated near 120 mph. The average path width was 125 yards. The tornado continued into McCracken County.				
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BALLARD COUNTY --- LA CENTER [37.07, -88.98]				
	02/29/12 05:16 CST		10K	Thunderstorm Wind (EG 52 kt)
	02/29/12 05:16 CST		0	Source: Trained Spotter
<hr/>				
A power pole was snapped and laying across a mobile home. The occupants were trapped inside.				
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MCCRACKEN COUNTY --- 0.7 SSW RAGLAND [37.16, -88.90], 3.0 ENE ROSSINGTON [37.17, -88.78]				
	02/29/12 05:17 CST		0.15M	Tornado (EF2, L: 6.11 mi , W: 150 yd)
	02/29/12 05:23 CST	5	0	Source: NWS Storm Survey
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The tornado continued into McCracken County from Ballard County. Six to eight residences were heavily damaged or destroyed. The residences were a mix of mobile homes and houses. The steeple was blown off a church. Numerous barns and sheds were destroyed or damaged, with debris carried several hundred yards and deposited in trees. There were several injuries, including one serious injury. Two semi-trailers were flipped on their side. A few stationary vehicles were moved 50 to 75 yards. The tornado exited the county when it crossed the Ohio River into Massac County, IL.				
<hr/>				
HENDERSON COUNTY --- 3.5 SSE WHITE CITY [37.91, -87.55], 3.8 NW BASKETT [37.91, -87.52]				
	02/29/12 05:57 CST		80K	Tornado (EF1, L: 1.29 mi , W: 150 yd)
	02/29/12 05:59 CST	2	0	Source: NWS Storm Survey
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This tornado occurred on the north bank of the Ohio River. Three river cabins were partially destroyed, and one cabin was completely destroyed. The cabins were poorly constructed. Six to seven telephone poles were blown over. Peak winds were estimated near 90 mph. The average path width was 100 yards.				
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HENDERSON COUNTY --- 2.0 S ZION [37.79, -87.48], HEBBARDSVILLE [37.77, -87.37]				
	02/29/12 06:03 CST		0	Thunderstorm Wind (MG 52 kt)
	02/29/12 06:14 CST		0	Source: Trained Spotter
<hr/>				
Two trained spotters in the same vicinity reported wind gusts to 60 mph. One of the gusts was measured, and the other was estimated.				
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HENDERSON COUNTY --- 2.1 S ZION [37.79, -87.48]				

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/29/12 06:03 CST		0	Hail (0.75 in)
	02/29/12 06:03 CST		0	Source: Trained Spotter
<hr/>				
HOPKINS COUNTY --- 1.0 NNE MADISONVILLE [37.34, -87.49], 1.5 NE MADISONVILLE [37.35, -87.48]				
	02/29/12 06:40 CST		10K	Tornado (EF0, L: 0.49 mi , W: 30 yd)
	02/29/12 06:41 CST		0	Source: Trained Spotter
A trained spotter reported a tornado on the ground near exit 44 along the Pennyriple Parkway.				
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HOPKINS COUNTY --- 1.2 NE PEE VEE [37.31, -87.54], 0.9 S MADISONVILLE [37.32, -87.50]				
	02/29/12 06:40 CST		40K	Thunderstorm Wind (EG 61 kt)
	02/29/12 06:43 CST		0	Source: Emergency Manager
A roof was blown off a garage. A metal frame structure was damaged. Two outbuildings were blown onto U.S. Highway 41. Six mature trees were blown down on the south end of Madisonville.				
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HOPKINS COUNTY --- MADISONVILLE [37.33, -87.50]				
	02/29/12 06:40 CST		0	Hail (0.75 in)
	02/29/12 06:40 CST		0	Source: Trained Spotter
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HOPKINS COUNTY --- 5.0 N HANSON [37.49, -87.48]				
	02/29/12 06:45 CST		0	Hail (1.00 in)
	02/29/12 06:45 CST		0	Source: Trained Spotter
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MUHLENBERG COUNTY --- BREMEN [37.37, -87.22]				
	02/29/12 06:57 CST		0	Hail (1.00 in)
	02/29/12 06:57 CST		0	Source: Trained Spotter
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HOPKINS COUNTY --- MADISONVILLE [37.33, -87.50]				
	02/29/12 07:00 CST		0	Heavy Rain
	02/29/12 08:45 CST		0	Source: Trained Spotter
Street flooding occurred in the city of Madisonville.				
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MARSHALL COUNTY --- BENTON [36.87, -88.35]				
	02/29/12 07:28 CST		0	Hail (1.00 in)
	02/29/12 07:28 CST		0	Source: Emergency Manager
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CALLOWAY COUNTY --- 0.8 WSW KIRKSEY [36.70, -88.39], ALMO [36.70, -88.27]				
	02/29/12 08:00 CST		0	Heavy Rain
	02/29/12 10:30 CST		0	Source: Law Enforcement
Minor flooding was reported across northern Calloway County, including the community of Almo. Radar estimated between one and 1.5 inches of rain fell in about an hour.				
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CHRISTIAN COUNTY --- 2.1 NW GRACEY [36.89, -87.67]				
	02/29/12 08:36 CST		0	Funnel Cloud
	02/29/12 08:36 CST		0	Source: Trained Spotter
The funnel cloud was reported by a trained spotter north of the intersection of U.S. Highway 68 and Highway 3186.				
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MUHLENBERG COUNTY --- 0.4 ENE GREENVILLE [37.20, -87.17], 0.5 ESE HOLT [37.25, -87.09]				
	02/29/12 08:45 CST		0.10M	Tornado (EF2, L: 5.46 mi , W: 200 yd)
	02/29/12 08:50 CST	1	0	Source: NWS Storm Survey

The tornado touched down on the east side of Greenville and moved rapidly northeast. A tied-down mobile home was completely destroyed. The mobile home rolled five times with an occupant in it, but he received only minor injuries. A modular home was moved off its block foundation. Roofs were blown off homes in Greenville, and the middle school lost a significant part of its roof. Numerous pine and cedar tree trunks were snapped off. There was minor siding damage to homes, and a barn lost its roof. Metal bleachers were tossed. The tornado damage path ended at U.S. Highway 431 at Cleaton. There was at least one eyewitness account of the tornado. Peak winds were near 120 mph. The average path width was 180 yards.

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MUHLENBERG COUNTY --- 0.5 WSW GREENVILLE [37.20, -87.19], 0.4 WSW GREENVILLE [37.20, -87.19]				
	02/29/12 08:45 CST		30K	Tornado (EF1, L: 0.10 mi , W: 30 yd)
	02/29/12 08:46 CST		0	Source: NWS Storm Survey
A very brief tornado occurred in the southwest part of Greenville. The path length was 700 feet, and the path width was 100 feet. An apartment building lost some of its roof decking. There was minor damage to the siding of a few houses. Large branches were snapped off trees. A barn lost part of its roof. Peak winds were estimated near 95 mph.				
CHRISTIAN COUNTY --- GRACEY [36.87, -87.65], CROFTON [37.05, -87.48]				
	02/29/12 09:00 CST		0	Heavy Rain
	02/29/12 11:00 CST		0	Source: Trained Spotter
Near Gracey, flooded ditches were overflowing onto roads. A few miles northwest of Hopkinsville, water was over Highway 109. Radar indicated nearly two inches of rain had fallen.				
CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48], 1.2 ENE GAINSVILLE [36.87, -87.45], 1.5 ESE PLEASANT GREEN HILL [36.92, -87.49], 2.5 SSW PLEASANT GREEN HILL [36.90, -87.54]				
	02/29/12 09:00 CST		0	Flood (due to Heavy Rain)
	02/29/12 13:00 CST		0	Source: Emergency Manager
The Little River rose out of its banks. A house in the city of Hopkinsville near Highway 1682 (the Hopkinsville Bypass) was surrounded by floodwater.				
TRIGG COUNTY --- 4.0 SW CADIZ [36.83, -87.87]				
	02/29/12 09:00 CST		0	Heavy Rain
	02/29/12 10:38 CST		0	Source: Mesonet
The mesonet site near Cadiz measured 2.30 inches of rain.				
CALLOWAY COUNTY --- DEXTER [36.75, -88.28]				
	02/29/12 09:10 CST		0	Hail (1.00 in)
	02/29/12 09:10 CST		0	Source: Trained Spotter
MARSHALL COUNTY --- AURORA [36.78, -88.13]				
	02/29/12 09:24 CST		0	Hail (1.00 in)
	02/29/12 09:24 CST		0	Source: Emergency Manager
TRIGG COUNTY --- CADIZ [36.87, -87.82], CADIZ BROADBENT ARPT [36.90, -87.73]				
	02/29/12 09:36 CST		0	Hail (1.00 in)
	02/29/12 09:36 CST		0	Source: Trained Spotter
Quarter-size hail fell in Cadiz, including the Cadiz airport.				
TRIGG COUNTY --- ENERGY [36.83, -88.05]				
	02/29/12 09:36 CST		0	Hail (1.00 in)
	02/29/12 09:36 CST		0	Source: Trained Spotter
Quarter-size hail fell in the Land-Between-The-Lakes National Recreation Area.				
CHRISTIAN COUNTY --- GRACEY [36.87, -87.65]				
	02/29/12 09:48 CST		0	Hail (1.50 in)
	02/29/12 09:48 CST		0	Source: Trained Spotter
CHRISTIAN COUNTY --- GRACEY [36.87, -87.65]				
	02/29/12 09:51 CST		0	Thunderstorm Wind (EG 61 kt)
	02/29/12 09:51 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust to 70 mph.				
TRIGG COUNTY --- 4.0 SW CADIZ [36.83, -87.87]				

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/29/12 09:55 CST		0	Thunderstorm Wind (MG 62 kt)
	02/29/12 09:55 CST		0	Source: Mesonet

A wind gust to 71 mph was recorded at a mesonet site.

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48]				
	02/29/12 10:05 CST		0	Hail (0.75 in)
	02/29/12 10:05 CST		0	Source: Trained Spotter

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48]				
	02/29/12 10:05 CST		0	Thunderstorm Wind (EG 61 kt)
	02/29/12 10:05 CST		0	Source: Trained Spotter

A trained spotter estimated a wind gust to 70 mph in the city.

TRIGG COUNTY --- CADIZ [36.87, -87.82]				
	02/29/12 10:14 CST		0	Hail (1.00 in)
	02/29/12 10:14 CST		0	Source: Trained Spotter

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48]				
	02/29/12 10:28 CST		0	Hail (1.00 in)
	02/29/12 10:28 CST		0	Source: Trained Spotter

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48]				
	02/29/12 10:30 CST		10K	Thunderstorm Wind (EG 61 kt)
	02/29/12 10:30 CST		0	Source: Emergency Manager

A large barn was demolished. Tin debris was blown onto an adjacent roof.

CHRISTIAN COUNTY --- 6.0 NE HOPKINSVILLE [36.91, -87.40]				
	02/29/12 10:40 CST		0	Hail (1.50 in)
	02/29/12 10:40 CST		0	Source: Trained Spotter

TRIGG COUNTY --- 3.3 SSE CADIZ [36.83, -87.79], 2.9 WSW CADIZ [36.85, -87.86], 2.6 NW CADIZ [36.89, -87.86], 0.4 W MONTGOMERY [36.88, -87.74]				
	02/29/12 11:00 CST		10K	Flash Flood (due to Heavy Rain)
	02/29/12 12:00 CST		0	Source: Emergency Manager

On U.S. Highway 68 east of Cadiz, law enforcement officers conducted a water rescue after a vehicle became stranded in floodwaters.

TODD COUNTY --- ELKTON [36.82, -87.15]				
	02/29/12 11:25 CST		0	Hail (0.75 in)
	02/29/12 11:25 CST		0	Source: Unknown

A squall line with embedded sustained supercells entered western Kentucky early in the morning. The embedded supercells raced east-northeast at 60 to 70 mph, while the line moved southeast at a slower rate. The storms strengthened as they encountered richer low-level moisture, with surface dew points around 60 degrees spreading rapidly north-northeastward up the Mississippi Valley. Intense low to mid-level wind fields maintained the intensity of tornadic storms despite weak instability due to lack of solar heating. A south-southwesterly low level jet from 60 to 70 knots veered to west-southwest around 75 knots at 500 mb. By mid-morning, the solid squall line evolved into a broken line of discrete storms over the Pennyriple region and Kentucky Lake region. While these discrete storms maintained severe levels, their tornado production decreased.

MISSOURI, Southeast

(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, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	02/01/12 03:30 CST		0	Dense Fog
	02/01/12 10:00 CST		0	

Widespread dense fog reduced visibility to one-quarter mile or less for up to a couple of hours. The fog occurred with light winds in the

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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vicinity of a weak cold front. The fog followed showers and thunderstorms that moistened the ground.

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

02/13/12 14:00 CST	0	Winter Weather
02/14/12 01:00 CST	0	

Ahead of an upper-level shortwave trough over western Missouri, snow developed from west to east. A strong southerly low-level wind flow of warmth and moisture contributed to the development of precipitation, which changed over to sleet in some areas. Snow accumulations were as high as three inches in the hills northwest of Poplar Bluff, including all of Carter County. The snow fell heavily for a short time in those areas. A trained spotter seven miles northwest of Poplar Bluff measured one inch of snow in an hour. Roads became slick and hazardous, especially untreated secondary roads. The lowest accumulations were south and east of Dexter, where less than an inch of a sleet/snow mix fell. Two inches fell at Perryville and Fruitland.

(MO-Z076) PERRY, (MO-Z087) CAPE GIRARDEAU, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI

02/17/12 02:00 CST	0	Dense Fog
02/17/12 10:00 CST	0	

High pressure was centered over the Lower Ohio Valley. Clear skies and light winds set the stage for the development of dense fog. Over most counties along the Mississippi River, the dense fog reduced visibility to one-quarter mile or less.

BOLLINGER COUNTY --- 5.1 NNW GRISHAM [37.45, -90.12], 2.0 ESE SEDGEWICKVILLE [37.51, -89.89]

02/29/12 03:20 CST	0.10M	Tornado (EF1, L: 10.34 mi , W: 800 yd)
02/29/12 03:30 CST	0	Source: NWS Storm Survey

Six to eight homes sustained roof damage along Highway 72. The roof damage consisted mainly of shingle damage. Ten larger barns received roof damage over a five-mile area. Numerous trees were uprooted and snapped. Numerous power poles were down. The average path width was 800 yards. Peak winds were estimated near 90 mph.

CARTER COUNTY --- VAN BUREN [37.00, -91.02]

02/29/12 03:23 CST	0	Hail (0.75 in)
02/29/12 03:23 CST	0	Source: Law Enforcement

WAYNE COUNTY --- 6.7 WSW WILLIAMSVILLE [36.93, -90.66]

02/29/12 03:30 CST	1K	Thunderstorm Wind (EG 52 kt)
02/29/12 03:30 CST	0	Source: Trained Spotter

The antenna was ripped off a home.

CARTER COUNTY --- ELLSINORE [36.93, -90.75]

02/29/12 03:33 CST	0	Hail (1.50 in)
02/29/12 03:33 CST	0	Source: Trained Spotter

Ping-pong ball size hail occurred along Highway V in town.

BOLLINGER COUNTY --- 2.8 ENE MAYFIELD [37.47, -89.90], 4.7 SE SEDGEWICKVILLE [37.47, -89.86]

02/29/12 03:34 CST	70K	Tornado (EF2, L: 2.33 mi , W: 120 yd)
02/29/12 03:38 CST	0	Source: NWS Storm Survey

Several large trees were snapped or uprooted. The walls of a machine shed were blown out and a large barn was collapsed. The tornado path continued into Cape Girardeau County.

CAPE GIRARDEAU COUNTY --- 1.8 W KURREVILLE [37.47, -89.86], 2.4 WSW OAK RIDGE [37.48, -89.77]

02/29/12 03:38 CST	0.10M	Tornado (EF2, L: 5.33 mi , W: 120 yd)
02/29/12 03:44 CST	0	Source: NWS Storm Survey

The tornado crossed into Cape Girardeau County from Bollinger County just north of where Missouri Highway 72 crosses the county line. Many large trees were snapped or uprooted with indications of a multi-vortex damage pattern. Three homes had most of their windows blown out with one having part of its roof blown off. An attached garage was uplifted and tossed over 100 yards. The roofs on 2 mobile homes were partially ripped off. The average path width was 100 yards. The peak wind speed was 115 mph.

BOLLINGER COUNTY --- SEDGEWICKVILLE [37.52, -89.92]

Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/29/12 03:41 CST		0	Hail (2.50 in)
	02/29/12 03:41 CST		0	Source: Law Enforcement
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CAPE GIRARDEAU COUNTY --- OAK RIDGE [37.50, -89.73], 0.6 NE HINES LNDG [37.56, -89.52]				
	02/29/12 03:47 CST		0.15M	Tornado (EF2, L: 12.09 mi , W: 300 yd)
	02/29/12 04:00 CST	1	0	Source: NWS Storm Survey
<p>Thousands of trees were snapped or uprooted, and several houses were damaged. The houses that were damaged suffered primarily partial roof loss. The houses were located in Oak Ridge and Pocahontas. One man was injured when a roof collapsed on him. Numerous barns and grain bins were destroyed. Many power lines were blown down. The average path width was 250 yards. Peak winds were estimated near 115 mph. The tornado path continued across the Mississippi River into Union County, Illinois.</p>				
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STODDARD COUNTY --- 0.5 W ASHERVILLE [36.90, -90.19], 2.0 W BELL CITY [37.03, -89.87]				
	02/29/12 04:00 CST	1	0.15M	Tornado (EF3, L: 19.96 mi , W: 700 yd)
	02/29/12 04:20 CST		0	Source: NWS Storm Survey
<p>Over 50 structures were damaged, almost half of which were completely destroyed. Most of the structures were mobile homes, barns, and outbuildings. Houses sustained mainly minor damage, but one site-built home was seriously damaged and another was destroyed. Peak winds were estimated near 140 mph. The average path width was 550 yards.</p>				
Direct Fatalities: M50MH				
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STODDARD COUNTY --- 1.0 E BELL CITY [37.03, -89.81], 4.2 N HIMMEL [37.04, -89.74]				
	02/29/12 04:24 CST		0.15M	Tornado (EF1, L: 4.07 mi , W: 75 yd)
	02/29/12 04:26 CST		0	Source: NWS Storm Survey
<p>Empty grain bins and silos were destroyed. Irrigation pivots were turned over. Chicken houses were destroyed. There was siding and shingle damage to homes. Barns were damaged. Peak winds were estimated near 90 mph. The tornado path crossed into Scott County along Route 91 near the Whitewater River bridge.</p>				
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SCOTT COUNTY --- 4.3 NW VANDUSER [37.04, -89.74], 3.0 SE BENTON [37.07, -89.53]				
	02/29/12 04:27 CST		0.10M	Tornado (EF1, L: 11.63 mi , W: 75 yd)
	02/29/12 04:34 CST		0	Source: NWS Storm Survey
<p>The tornado continued into Scott County from Stoddard County along Route 91 near the Whitewater River bridge. Empty grain bins and silos were destroyed. Irrigation pivots were turned over. Chicken houses were destroyed. There was siding and shingle damage to homes. Barns were damaged. Widespread tree and power line damage occurred along Highway 408 near the intersection of Highway 403. Peak winds were estimated near 90 mph.</p>				
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RIPLEY COUNTY --- DONIPHAN [36.62, -90.82]				
	02/29/12 04:30 CST		0	Hail (0.75 in)
	02/29/12 04:30 CST		0	Source: Emergency Manager
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BUTLER COUNTY --- NEELYVILLE [36.57, -90.50]				
	02/29/12 04:41 CST		0	Hail (1.75 in)
	02/29/12 04:41 CST		0	Source: Trained Spotter

A squall line with embedded sustained supercells crossed southeast Missouri. The embedded supercells raced east-northeast at 60 to 70 mph, while the line moved southeast at a slower rate. The storms strengthened as they encountered richer low-level moisture, with surface dew points around 60 degrees spreading rapidly north-northeastward up the Mississippi Valley. Intense low to mid-level wind fields maintained the intensity of tornadic storms despite weak instability due to lack of solar heating. A south-southwesterly low level jet from 60 to 70 knots veered to west-southwest around 75 knots at 500 mb.