

Storm Data and Unusual Weather Phenomena - January 2012

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

WHITE COUNTY --- MAUNIE [38.03, -88.05], 0.6 ENE MAUNIE [38.03, -88.04], 1.9 E MAUNIE [38.03, -88.02], 1.6 NNE RISING SUN [38.02, -88.02]				
	01/01/12 00:00 CST		0	Flood (due to Heavy Rain)
	01/01/12 12:00 CST		0	Source: River/Stream Gage

Minor flooding continued from December into the first day of January along the Wabash River. The river crested in December and continued falling into early January. Several local river roads were flooded. Low-lying fields near the river were flooded.

December 2011 was among the wettest Decembers of record. Minor river flooding that occurred through the entire month of December along portions of the Wabash River finally ended on New Years Day.

GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 1.2 NE SHAWNEETOWN [37.71, -88.12], 1.2 NNE SHAWNEETOWN [37.72, -88.12], 0.4 NNW SHAWNEETOWN [37.70, -88.13]				
	01/01/12 00:00 CST		0	Flood (due to Heavy Rain)
	01/04/12 12:00 CST		0	Source: River/Stream Gage

Low-lying fields were flooded along the Ohio River. The flooding was minor.

The Ohio River rose above flood stage at Shawneetown toward the end of December, then fell below flood stage on January 4th. The flooding was caused by widespread rain that accompanied a storm system that passed south of the region on the 26th and 27th of December.

(IL-Z083) WHITE, (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				
	01/11/12 05:00 CST		0	Dense Fog
	01/11/12 09:30 CST		0	

Widespread dense fog reduced visibility to one-quarter mile or less across extreme south and southeast Illinois. The dense fog was along and southeast of a line from Carmi to Marion to Cairo. Surface low pressure lifted northeast toward the Pennyrile region of western Kentucky. The combination of wet ground and light winds in the immediate vicinity of the low pressure center contributed to dense fog.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z083) WHITE				
	01/12/12 15:00 CST		0	Winter Weather
	01/12/12 23:00 CST		0	

A strong upper-level low brought about an inch of snow to parts of southern Illinois. The 500 mb low moved southeast from the central Plains across the Lower Ohio Valley. A surface low pressure system over the Great Lakes region produced a strong northwest wind across the Lower Ohio Valley. About an inch of snow fell along and northeast of a line from Mount Vernon to Carmi. A combination of falling temperatures and gusty winds made road conditions very hazardous. Temperatures fell through the 20's as northwest winds gusted to 30 mph. The gusty winds caused some blowing snow. Roads that were wet from snowmelt earlier in the day became icy as temperatures fell after dark. The highest reported accumulation was 1.5 inches in Grayville, which is along the Edwards/White County line. A Cocorahs observer in the city of Mount Vernon measured 0.7 inch. A fatal accident occurred near the community of Woodlawn in Jefferson County. A 46-year-old woman died at the scene after her jeep left the roadway and tumbled 50 feet down an embankment. There were no other persons or vehicles involved in the accident. In the city of Mount Vernon, there were six minor accidents.

WAYNE COUNTY --- 1.3 WSW CISNE [38.51, -88.45]				
	01/17/12 07:00 CST		20K	Thunderstorm Wind (EG 61 kt)
	01/17/12 07:00 CST		0	Source: Trained Spotter

One to two dozen shingles were blown off a home. A light pole was broken and blown down. An evergreen tree was down.

A line of thunderstorms raced east ahead of a cold front. The cold front trailed from a low pressure center over southern Lower Michigan southwest across the Middle Mississippi Valley. A southwest low-level jet around 60 knots enhanced the potential for gusty winds. There was an isolated damaging wind gust in Wayne County. At mid levels, a progressive 500 mb shortwave trough extended from north to south across the Plains states.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON				
	01/20/12 18:00 CST		0	Winter Weather
	01/21/12 01:00 CST		0	

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>A few hours of light freezing rain coated most exposed surfaces with a thin glaze. Ground temperatures remained just above freezing, keeping most paved surfaces wet. However, bridges and overpasses became icy and extremely hazardous. Wooden decks and exposed metal and glass surfaces became icy. The icing was north of a line from the Marion/Carbondale area to Carmi. On Interstates 57 and 64 in the Mount Vernon area, overpasses were a sheet of ice. Illinois Highway 15 west of Mt. Vernon was slick and hazardous. In Wabash County, Highway 11 was reported to be slick. In Hamilton County, some sections of pavement on rural roads became slick, especially elevated areas. A warm front extended from a surface low pressure center over southwest Arkansas northeast across western Kentucky. Areas of light freezing rain occurred north of the warm front.</p>				
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JACKSON COUNTY --- 0.6 W MURPHYSBORO [37.77, -89.34]				
	01/22/12 21:12 CST		0	Thunderstorm Wind (MG 52 kt)
	01/22/12 21:12 CST		0	Source: Public
<p>A 60 mph wind gust was reported on the west side of the city.</p>				
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PERRY COUNTY --- PINCKNEYVILLE [38.08, -89.38]				
	01/22/12 21:12 CST		0	Hail (0.88 in)
	01/22/12 21:12 CST		0	Source: Trained Spotter
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PERRY COUNTY --- DU QUOIN [38.02, -89.23]				
	01/22/12 21:20 CST		0	Heavy Rain
	01/22/12 22:10 CST		0	Source: Emergency Manager
<p>Minor street flooding was reported throughout the community. U.S. Route 51 on the north side of town was underwater.</p>				
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JEFFERSON COUNTY --- 2.0 W MT VERNON [38.32, -88.94], MT VERNON [38.32, -88.90]				
	01/22/12 21:38 CST		0	Hail (1.25 in)
	01/22/12 21:47 CST		0	Source: Public
<p>A swath of quarter to half-dollar size hail extended from two miles west of Mount Vernon into the city.</p>				
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JOHNSON COUNTY --- 0.9 SW BLOOMFIELD [37.44, -88.89]				
	01/22/12 21:52 CST		4K	Thunderstorm Wind (EG 52 kt)
	01/22/12 21:52 CST		0	Source: Trained Spotter
<p>Trees were downed just off U.S. Highway 45 less than a mile from the Interstate 24 interchange.</p>				
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MASSAC COUNTY --- ROUND KNOB [37.25, -88.75]				
	01/22/12 22:05 CST		0	Thunderstorm Wind (MG 52 kt)
	01/22/12 22:05 CST		0	Source: Trained Spotter
<p>A trained spotter measured a wind gust to 60 mph.</p>				
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SALINE COUNTY --- HARRISBURG [37.73, -88.55]				
	01/22/12 22:08 CST		0	Thunderstorm Wind (MG 50 kt)
	01/22/12 22:08 CST		0	Source: Emergency Manager
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MASSAC COUNTY --- METROPOLIS [37.15, -88.73]				
	01/22/12 22:12 CST		2K	Thunderstorm Wind (MG 52 kt)
	01/22/12 22:12 CST		0	Source: Trained Spotter
<p>A large tree was blown down by a measured wind gust of 60 mph.</p>				
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MASSAC COUNTY --- ROUND KNOB [37.25, -88.75]				
	01/22/12 22:13 CST		0	Hail (0.75 in)
	01/22/12 22:13 CST		0	Source: Trained Spotter
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WHITE COUNTY --- 5.0 SSW ENFIELD [38.03, -88.37], 2.5 NNE CENTERVILLE [38.23, -88.15]				
	01/22/12 22:18 CST		0.25M	Tornado (EF2, L: 18.03 mi , W: 100 yd)
	01/22/12 22:32 CST		0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The tornado's strength was EF-0 to EF-1 for most of its path, except near the intersection of Route 14 and U.S. Highway 45. Near this intersection just south of Enfield, a 60-by-105 foot storage barn with wooden truss and steel wall construction was destroyed. Debris from the barn was blown up to 400 yards away. Many of the contents of the barn were lost. Two combines were damaged. A nearby car-and-a-half cinder block garage was destroyed, with concrete blocks thrown over 100 yards. One block was hurled through a window of a pickup truck. A dog pen on the north side of the garage was blown away, and two dogs were missing. A 40-foot tower was bent halfway up. A nearby house and barn sustained minimal damage. Several smaller barns were damaged or destroyed along the path. A greenhouse was destroyed near Centerville. Several trees were down and snapped. Two power lines were blown down across Illinois Route 14 just east of Highway 45. Route 14 was closed for about an hour and a half. Many utility poles were snapped off or leaning along both U.S. 45 and Illinois Route 14, as well as a few other locations along the path. This tornado struck some of the same property that the 1925 Tri-State Tornado devastated. Peak winds were estimated near 120 mph. The average path width was about 50 yards.</p>				
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GALLATIN COUNTY --- EQUALITY [37.73, -88.33]				
	01/22/12 22:30 CST		0	Thunderstorm Wind (MG 52 kt)
	01/22/12 22:30 CST		0	Source: Public
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EDWARDS COUNTY --- 5.5 SSE ELLERY [38.28, -88.11], 3.8 SE ELLERY [38.31, -88.10]				
	01/22/12 22:36 CST		6K	Thunderstorm Wind (EG 78 kt)
	01/22/12 22:39 CST		0	Source: NWS Storm Survey
<p>Trees were snapped and blown down. These straight-line winds occurred with the same storm that produced the EF-2 tornado near Enfield and Centerville in White County and the EF-1 tornado near Albion.</p>				
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EDWARDS COUNTY --- 3.8 SSW ALBION [38.33, -88.08], 4.8 ESE ALBION [38.35, -87.97]				
	01/22/12 22:42 CST		30K	Tornado (EF1, L: 6.09 mi , W: 100 yd)
	01/22/12 22:48 CST		0	Source: NWS Storm Survey
<p>The tornado produced mainly tree damage. One steel high tension power pole was damaged. The average path width was 50 yards. Peak winds were estimated near 100 mph.</p>				
<p>A potent upper-level trough moved east into eastern Kansas and Oklahoma, before assuming a negative tilt and accelerating east-northeast across the Mid-Mississippi and Lower Ohio Valleys. The associated surface low tracked northeast from Kansas across northern Missouri to southern Wisconsin. Ahead of the low and trough, a south-southwesterly low-level jet in excess of 50 knots expanded east across the Mid-Mississippi Valley. An expansive quasi-linear convective system formed along the lead cold front trailing southward from the surface low. Despite rather meager instability, very strong low and mid-level wind fields resulted in organized storm structures with pockets of damaging wind, large hail, and a few isolated tornadoes.</p>				
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WHITE COUNTY --- MAUNIE [38.03, -88.05], 0.8 E MAUNIE [38.03, -88.04], 2.2 E MAUNIE [38.03, -88.01], 0.9 NNE RISING SUN [38.01, -88.02]				
	01/23/12 06:00 CST		1K	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage
<p>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.</p>				
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WABASH COUNTY --- 1.5 E MT CARMEL [38.42, -87.74], 2.3 SSE PATTON [38.45, -87.73], 2.1 SSE PATTON [38.45, -87.74], 1.0 ENE MT CARMEL [38.42, -87.75]				
	01/24/12 01:30 CST		2K	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage
<p>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.</p>				
<p>After a dry start to January, significant rainfall 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. Unseasonably mild air contributed to a round of thunderstorms on the 17th and again on the 22nd and 23rd. Each round of storms produced one-half to 1.5 inches of rain, with locally higher amounts. The last rainfall of the month occurred on the 25th and 26th, when a developing low pressure system tracked just south of the Ohio River. An additional 1 to 2.5 inches fell. The January river flooding was similar to December's minor flooding. The river did not actually crest until early February.</p>				
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GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 0.4 NNW SHAWNEETOWN [37.71, -88.13], 1.5 NE SHAWNEETOWN [37.72, -88.11], 1.8 NE SHAWNEETOWN [37.72, -88.11]				
	01/26/12 04:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage
<p>Minor flooding of low-lying woods and fields occurred along the Ohio River.</p>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 1.9 ESE METROPOLIS [37.14, -88.70], 2.4 ESE METROPOLIS [37.14, -88.69], 0.3 W BROOKPORT [37.12, -88.64]				
	01/27/12 17:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 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 --- 0.7 ESE OLMSTED [37.18, -89.07], 1.0 ENE OLMSTED [37.19, -89.06], 1.7 SSE NEW GRAND CHAIN [37.23, -89.01], 2.3 SSE NEW GRAND CHAIN [37.22, -89.00]				
	01/28/12 09:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage

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

ALEXANDER COUNTY --- 1.4 E CAIRO [37.00, -89.15], 2.5 ESE CAIRO [36.99, -89.14], 2.3 ESE CAIRO [36.98, -89.14], 1.3 ESE CAIRO [36.99, -89.16]				
	01/30/12 09:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying fields and local river access roads were flooded.

WHITE COUNTY --- 1.7 E CARMi [38.08, -88.14], 1.9 SSE CARMi [38.06, -88.16], 1.4 SSE CARMi [38.06, -88.16], 1.4 E CARMi [38.08, -88.14]				
	01/31/12 03:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage

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

Wet conditions in late January brought the Little Wabash and Ohio Rivers back above flood stage. A complex storm system moved east out of the Plains on the 22nd. Warm moist Gulf of Mexico air fueled showers and even some thunderstorms. This line of storms was slow-moving with torrential rainfall. Rain amounts averaged around one inch. This system stalled over the Deep South, then was pulled back north as an upper-level closed low opened up and passed across the Ohio Valley by the 29th. The combination of the surface front and the upper-level trough produced scattered showers that produced another one-half to one inch of rain between the 25th and 29th. This heavy rain caused a few rivers to rise above flood stage by the end of the month, but they did not crest until the first few days of February. Only minor flooding occurred.

INDIANA, Southwest

POSEY COUNTY --- 0.5 NW NEW HARMONY [38.13, -87.94], 1.1 NNE NEW HARMONY [38.15, -87.92], 0.8 NNE NEW HARMONY [38.14, -87.92], 0.3 NNW NEW HARMONY [38.13, -87.93]				
	01/01/12 00:00 CST		0	Flood (due to Heavy Rain)
	01/01/12 12:00 CST		0	Source: River/Stream Gage

Minor flooding continued from December into the first day of January along the Wabash River. The river crested in December and continued falling into early January. Several local river roads were flooded. Low-lying fields near the river were flooded.

December 2011 was among the wettest Decembers of record. Minor river flooding that occurred through the entire month of December along portions of the Wabash River finally ended on New Years Day.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	01/12/12 15:00 CST		0	Winter Weather
	01/12/12 23:00 CST		0	

A strong upper-level low brought about an inch of snow to parts of southwest Indiana. The 500 mb low moved southeast from the central Plains across the Lower Ohio Valley. A surface low pressure system over the Great Lakes region produced a strong northwest wind across the Lower Ohio Valley. Anywhere from a quarter-inch to 1.5 inches of snow fell. Even where accumulations were minor, the combination of falling temperatures and gusty winds made road conditions very hazardous. Temperatures fell through the 20's as northwest winds gusted to 30 mph. The gusty winds caused some blowing snow. Roads that were wet from snowmelt earlier in the day became icy as temperatures fell after dark. Roads were very slick in and around Evansville. Numerous accidents were reported, including some on U.S. Highway 41 and Interstates 64 and 164. The highest reported accumulation was 1.6 inches in Posey County, a few miles west of Poseyville. Other reported accumulations included one inch at Newburgh, and one-half inch near Princeton, Boonville, and Petersburg.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PIKE COUNTY --- PETERSBURG [38.50, -87.28]				
	01/17/12 09:20 EST		20K	Thunderstorm Wind (EG 56 kt)
	01/17/12 09:20 EST		0	Source: Newspaper
<p>A portion of the metal roof of a welding shop was blown off. A large sheet of metal blew down the street into an intersection. Some shingles were blown off roofs.</p> <p>A line of thunderstorms raced east ahead of a cold front. The cold front trailed from a low pressure center over southern Lower Michigan southwest across the Middle Mississippi Valley. A southwest low-level jet around 60 knots enhanced the potential for gusty winds. There was an isolated damaging wind gust in Pike County. At mid levels, a progressive 500 mb shortwave trough extended from north to south across the Plains states.</p>				
PIKE COUNTY --- 1.3 NNE PETERSBURG [38.52, -87.27], 1.4 WNW PETERSBURG [38.51, -87.30], 1.1 WNW PETERSBURG [38.50, -87.30], 1.1 NNE PETERSBURG [38.51, -87.27]				
	01/19/12 10:30 EST		2K	Flood (due to Heavy Rain)
	01/31/12 23:59 EST		0	Source: River/Stream Gage
<p>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.</p>				
GIBSON COUNTY --- 1.4 NNW HAZLETON [38.50, -87.54], 1.8 NNE HAZLETON [38.50, -87.51], 1.8 NE HAZLETON [38.50, -87.51], 1.0 NNW HAZLETON [38.49, -87.54]				
	01/19/12 22:00 CST		3K	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage
<p>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.</p>				
POSEY COUNTY --- 0.6 NW NEW HARMONY [38.13, -87.94], 0.3 N NEW HARMONY [38.13, -87.93], 1.3 NNE NEW HARMONY [38.15, -87.92], 1.2 NNE NEW HARMONY [38.15, -87.92]				
	01/23/12 06:00 CST		2K	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage
<p>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.</p>				
GIBSON COUNTY --- EAST MT CARMEL [38.40, -87.73], 1.0 WNW EAST MT CARMEL [38.41, -87.75], 2.2 WSW EAST MT CARMEL [38.38, -87.77], 1.8 SW EAST MT CARMEL [38.38, -87.76]				
	01/24/12 01:30 CST		2K	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage
<p>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.</p> <p>After a dry start to January, significant rainfall brought minor river flooding to the White and Wabash Rivers. Three rain events during the last half of January were responsible for the flooding. Both river basins received a total of 2 to 6 inches of rainfall from late on the 16th through early on the 27th. Unseasonably mild air contributed to a round of thunderstorms on the 17th and again on the 22nd and 23rd. Each round of storms produced one-half to 1.5 inches of rain, with locally higher amounts. The last rainfall of the month occurred on the 25th and 26th, when a developing low pressure system tracked just south of the Ohio River. An additional 1 to 2.5 inches fell. The January river flooding was similar to December's minor flooding. The rivers did not actually crest until early February.</p>				
POSEY COUNTY --- 3.0 WNW POSEYVILLE [38.19, -87.83]				
	01/22/12 22:52 CST		0	Thunderstorm Wind (MG 52 kt)
	01/22/12 22:52 CST		0	Source: Trained Spotter
POSEY COUNTY --- MT VERNON [37.93, -87.90]				
	01/22/12 22:56 CST		0	Thunderstorm Wind (MG 53 kt)
	01/22/12 22:56 CST		0	Source: Trained Spotter

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POSEY COUNTY --- ST PHILIP [37.98, -87.72]	01/22/12 23:01 CST		0	Thunderstorm Wind (MG 52 kt)
	01/22/12 23:01 CST		0	Source: Emergency Manager

GIBSON COUNTY --- PRINCETON [38.35, -87.57]	01/22/12 23:10 CST		0	Thunderstorm Wind (EG 52 kt)
	01/22/12 23:10 CST		0	Source: Unknown

A wind gust was estimated near 60 mph.

VANDERBURGH COUNTY --- EVANSVILLE [37.98, -87.55]	01/22/12 23:15 CST		3K	Thunderstorm Wind (EG 50 kt)
	01/22/12 23:15 CST		0	Source: Public

A few trees were blown down throughout the city. A wind gust to 57 mph was measured at a television station downtown.

WARRICK COUNTY --- CHANDLER [38.05, -87.37]	01/22/12 23:30 CST		0	Thunderstorm Wind (MG 50 kt)
	01/22/12 23:30 CST		0	Source: Trained Spotter

A potent upper-level trough moved east into eastern Kansas and Oklahoma, before assuming a negative tilt and accelerating east-northeast across the Mid-Mississippi and Lower Ohio Valleys. The associated surface low tracked northeast from Kansas across northern Missouri to southern Wisconsin. Ahead of the low and trough, a south-southwesterly low-level jet in excess of 50 knots expanded east across the Mid-Mississippi Valley. An expansive quasi-linear convective system formed along the lead cold front trailing southward from the surface low. Despite rather meager instability, very strong low and mid-level wind fields resulted in organized storm structures with pockets of damaging wind.

WARRICK COUNTY --- 2.5 ESE NEWBURGH [37.93, -87.38], 2.3 ESE NEWBURGH [37.94, -87.38], 1.2 ESE NEWBURGH [37.94, -87.40], 1.1 ESE NEWBURGH [37.94, -87.40]	01/27/12 13:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage

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

POSEY COUNTY --- 1.2 SW MT VERNON [37.92, -87.92], 1.2 SSW MT VERNON [37.91, -87.91], 0.4 SSW MT VERNON [37.92, -87.90], 0.6 SW MT VERNON [37.92, -87.91]	01/28/12 09:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Ohio River. The river continued rising into early February.

Wet conditions in late January brought the Ohio River above flood stage. A complex storm system moved east out of the Plains on the 22nd. Warm, moist Gulf of Mexico air fueled showers and even some thunderstorms. This line of storms was slow-moving with torrential rainfall. Rain amounts averaged around one inch. This system stalled over the Deep South, then was pulled back north as an upper-level closed low opened up and passed across the Ohio Valley by the 29th. The combination of the surface front and the upper-level trough produced scattered showers that produced another one-half to one inch of rain between the 25th and 29th. This heavy rain caused the Ohio River to rise above flood stage by the end of the month. Only minor flooding occurred.

KENTUCKY, Southwest

(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-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD	01/11/12 03:00 CST		0	Dense Fog
	01/11/12 10:00 CST		0	

Widespread dense fog reduced visibility to one-quarter mile or less across western Kentucky, except around Owensboro. Surface low pressure lifted northeast toward the Pennyrile region of western Kentucky. The combination of wet ground and light winds in the immediate vicinity of the low pressure center contributed to dense fog.

Storm Data and Unusual Weather Phenomena - January 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(KY-Z006) GRAVES, (KY-Z009) CALLOWAY, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD				
	01/12/12 15:00 CST		0	Winter Weather
	01/12/12 23:00 CST		0	
<p>A strong upper-level low brought about an inch of snow to parts of western Kentucky. The 500 mb low moved southeast from the central Plains across the Lower Ohio Valley. A surface low pressure system over the Great Lakes region produced a strong northwest wind across the Lower Ohio Valley. About an inch of snow fell along and southeast of a line from Owensboro to Princeton and Murray. A combination of falling temperatures and gusty winds made road conditions very hazardous. Temperatures fell through the 20's as northwest winds gusted to 30 mph. The gusty winds caused some blowing snow. Roads that were wet from snowmelt earlier in the day became icy as temperatures fell after dark. Numerous accidents were reported, including some with injuries. The Western Kentucky Parkway and the Pennyryle Parkway were especially slick, with numerous wrecks. A single-vehicle accident on Interstate 69 (the Western Kentucky Parkway) in Caldwell County near the 10-mile marker injured one person. The driver of the vehicle suffered a shoulder injury after her vehicle slid off the roadway and overturned. She was transported to a hospital for treatment. Another similar type of accident occurred an hour later near the 12-mile marker on Interstate 69. The driver of the vehicle lost control and overturned off the side of the road. She was treated for minor injuries at a local medical center. In Calloway County south of Murray, a three-car accident occurred on U.S. Highway 641. In Christian County, two women were injured in an accident that was weather-related. Their vehicle slid off the road and careened down a ditch on its side. The women were treated at a local hospital for possible knee, ankle, and back injuries. Christian County schools were closed the following day. The highest reported accumulation was 1.5 inches in Muhlenberg County, four miles west of Penrod. Other reported accumulations included one inch in Murray (Calloway County) and Mortons Gap (Hopkins County).</p>				
GRAVES COUNTY --- 2.5 SE FANCY FARM [36.77, -88.75]				
	01/17/12 09:45 CST		20K	Thunderstorm Wind (EG 61 kt)
	01/17/12 09:45 CST		0	Source: Public
Trees and power lines were down along Kentucky Highways 80 and 1686. Trees were covering the whole road.				
GRAVES COUNTY --- CUBA [36.58, -88.62]				
	01/17/12 09:55 CST		50K	Thunderstorm Wind (EG 61 kt)
	01/17/12 09:55 CST		0	Source: Newspaper
An outbuilding was destroyed. Debris from the wood-frame shed was carried across the street into a field. Farm equipment inside the shed was damaged. Power and phone lines were blown down.				
<p>A line of thunderstorms raced east ahead of a cold front. The cold front trailed from a low pressure center over southern Lower Michigan southwest across the Middle Mississippi Valley. A southwest low-level jet around 60 knots enhanced the potential for gusty winds. There was an isolated damaging wind gust in Graves County. At mid levels, a progressive 500 mb shortwave trough extended from north to south across the Plains states.</p>				
BALLARD COUNTY --- 2.3 SW MONKEYS EYEBROW [37.16, -89.01]				
	01/22/12 21:52 CST		4K	Thunderstorm Wind (EG 52 kt)
	01/22/12 21:52 CST		0	Source: Emergency Manager
Downed trees were blocking Highway 473.				
BALLARD COUNTY --- MONKEYS EYEBROW [37.18, -88.98]				
	01/22/12 21:53 CST		0	Hail (0.75 in)
	01/22/12 21:53 CST		0	Source: Emergency Manager
MCCRACKEN COUNTY --- 1.1 SSE AVONDALE HGTS [37.05, -88.66]				
	01/22/12 22:15 CST		20K	Thunderstorm Wind (EG 56 kt)
	01/22/12 22:15 CST		0	Source: Emergency Manager
A gas station canopy was damaged. A large metal pole supporting a business sign was snapped. The businesses were located on U.S. Highway 62 just west of Interstate 24.				
GRAVES COUNTY --- 2.1 NNE DUBLIN [36.76, -88.79]				
	01/22/12 22:16 CST		2K	Thunderstorm Wind (EG 52 kt)
	01/22/12 22:16 CST		0	Source: Public
A tv/radio antenna was blown down.				

Storm Data and Unusual Weather Phenomena - January 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MARSHALL COUNTY --- 4.0 N BENTON [36.93, -88.35]				
	01/22/12 22:20 CST		0	Heavy Rain
	01/22/12 22:50 CST		0	Source: Mesonet
A Kentucky mesonet site measured 1.01 inches of rain in 30 minutes.				
MARSHALL COUNTY --- 1.2 SSE TATUMSVILLE [36.91, -88.29]				
	01/22/12 22:43 CST		25K	Thunderstorm Wind (EG 65 kt)
	01/22/12 22:43 CST		0	Source: Emergency Manager
A large metal shed sustained moderate damage. At least one metal exterior wall panel was pushed in, and the roof was partially blown off. A large hay barn was heavily damaged. A side wall of the barn was completely blown off. Several trees were blown down, and a couple trees were snapped off.				
CALLOWAY COUNTY --- NEW PROVIDENCE [36.53, -88.23], ALMO [36.70, -88.27]				
	01/22/12 22:45 CST		0	Heavy Rain
	01/22/12 23:45 CST		0	Source: Newspaper
Several roads were flooded, but all of them were reopened by the morning commute.				
MARSHALL COUNTY --- BENTON [36.87, -88.35]				
	01/22/12 23:00 CST		0	Hail (0.88 in)
	01/22/12 23:00 CST		0	Source: Public
CALLOWAY COUNTY --- HAZEL [36.50, -88.32], 0.3 NE NEW PROVIDENCE [36.53, -88.23]				
	01/22/12 23:03 CST		50K	Tornado (EF1, L: 5.64 mi , W: 100 yd)
	01/22/12 23:08 CST		0	Source: NWS Storm Survey
Peak winds were estimated near 95 mph. Hundreds of trees were uprooted or snapped. Windows were blown out of a house, and shingles were damaged. Shutters were ripped off the house. Three barns were destroyed. Two garages were levelled. A section of roof was peeled off another garage. The porch roof of a business in Hazel was destroyed. A large tree fell across a truck.				
CALLOWAY COUNTY --- LYNN GROVE [36.60, -88.43]				
	01/22/12 23:04 CST		0	Hail (0.88 in)
	01/22/12 23:04 CST		0	Source: Emergency Manager
CALLOWAY COUNTY --- 5.0 SW MURRAY [36.57, -88.38], 2.3 SSW MURRAY [36.59, -88.34]				
	01/22/12 23:05 CST		0	Hail (2.00 in)
	01/22/12 23:09 CST		0	Source: Emergency Manager
A swath of large hail occurred just southwest of Murray. Hail was up to the size of hen eggs a couple miles southwest of the city.				
CALLOWAY COUNTY --- 5.0 E MURRAY [36.62, -88.23]				
	01/22/12 23:14 CST		0	Thunderstorm Wind (MG 52 kt)
	01/22/12 23:14 CST		0	Source: Trained Spotter
HOPKINS COUNTY --- 0.1 SW CHARLESTON [37.22, -87.68]				
	01/22/12 23:25 CST		4K	Thunderstorm Wind (EG 56 kt)
	01/22/12 23:25 CST		0	Source: Emergency Manager
Large trees were down or uprooted just west of Highway 109 near Charleston.				
HOPKINS COUNTY --- DAWSON SPGS [37.17, -87.70]				
	01/22/12 23:30 CST		0	Thunderstorm Wind (EG 52 kt)
	01/22/12 23:30 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust to 60 mph. There were power outages in the area.				
MCLEAN COUNTY --- 0.4 E POVERTY [37.57, -87.32]				
	01/22/12 23:45 CST		60K	Thunderstorm Wind (EG 61 kt)
	01/22/12 23:45 CST		0	Source: Department of Highways

Storm Data and Unusual Weather Phenomena - January 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Kentucky Highway 256 was closed from Kentucky Highway 140 to the Long Falls Creek bridge due to downed power lines and power poles.				
MCLEAN COUNTY --- 1.9 S GUFFIE [37.57, -87.25], 1.3 NNE GLENVILLE [37.62, -87.19]				
	01/22/12 23:47 CST		0.10M	Thunderstorm Wind (EG 74 kt)
	01/22/12 23:54 CST		0	Source: Emergency Manager
Two mobile homes were destroyed, and many trees were blown over. One of the mobile homes was abandoned, and the residents of the other mobile home were not at home. One of the mobile homes was left in the middle of a road about four miles north of Calhoun. Six power poles were blown over on Kentucky Highway 81 about six miles northeast of Calhoun. Kentucky Highway 140 was closed due to power lines and power poles across the road. A barn was destroyed less than a mile from the Daviess County line. The damage swath extended from just north of Calhoun northeast to the Daviess County line.				
CHRISTIAN COUNTY --- 6.0 N HOPKINSVILLE [36.94, -87.48]				
	01/22/12 23:55 CST		0	Thunderstorm Wind (MG 55 kt)
	01/22/12 23:55 CST		0	Source: Mesonet
A wind gust to 63 mph was measured at a Kentucky mesonet site.				
DAVIESS COUNTY --- 2.1 SE PANTHER [37.61, -87.20]				
	01/22/12 23:56 CST		80K	Thunderstorm Wind (EG 74 kt)
	01/22/12 23:56 CST	1	0	Source: Emergency Manager
A large section of roof was blown off a house. The roof was a flat roof with no anchors and a rather large overhang. Debris fell on one occupant of the house, who was treated at a local hospital for minor injuries such as scrapes and bruises. The house was damaged extensively. Nearby, three barns and a large tool shed were damaged or destroyed. Two of the barns were old wooden barns that were pushed and leaning over, but still on their foundations. The third barn was an old wooden barn that was destroyed. The tool shed was a steel-frame structure that was heavily damaged on one end. Beams were bent, and siding was torn off. Several small trees were uprooted along Highway 81, and one tree was snapped. Emergency responders could not reach the damaged house and injured person until debris was cleared from the road. All debris was blown toward the east-northeast. The damage swath was one-half to three-quarters of a mile wide.				
CHRISTIAN COUNTY --- 1.0 E KELLY [36.97, -87.45]				
	01/22/12 23:58 CST		0	Hail (0.75 in)
	01/22/12 23:58 CST		0	Source: Public
Small tree limbs were reported down at this same location. Winds were estimated near 55 mph.				
DAVIESS COUNTY --- 1.4 E HABIT [37.70, -86.97]				
	01/23/12 00:05 CST		20K	Thunderstorm Wind (EG 61 kt)
	01/23/12 00:05 CST		0	Source: Emergency Manager
A mobile home received extensive damage.				
DAVIESS COUNTY --- 1.1 NNE BROWNWOOD MANOR [37.77, -87.04], 1.4 NE THURSTON [37.81, -87.01]				
	01/23/12 00:06 CST		25K	Thunderstorm Wind (EG 56 kt)
	01/23/12 00:08 CST		0	Source: Newspaper
Several power transmission poles were blown over a few miles east of Owensboro. A carport was blown away near Thurston.				
CHRISTIAN COUNTY --- CROFTON [37.05, -87.48]				
	01/23/12 00:10 CST		0	Heavy Rain
	01/23/12 01:00 CST		0	Source: Emergency Manager
Minor flooding was reported on Highway 800 at an intersection in Crofton.				
TODD COUNTY --- 1.8 WNW CLIFTY [36.99, -87.18], 1.0 NNE CLIFTY [36.99, -87.14]				
	01/23/12 00:15 CST		0.13M	Tornado (EF0, L: 2.17 mi , W: 200 yd)
	01/23/12 00:18 CST		0	Source: NWS Storm Survey
Several trees were blown down. A barn and several greenhouses were damaged. Some shingles were blown off houses. The roof was blown off a garage that was part of a business. A camper trailer about 25 feet long was overturned and destroyed. A pool was damaged, and a grain bin was damaged. The tornado followed a path very close to Highway 107 before ending on the northeast side of Clifty. Peak winds were estimated near 80 mph. The average path width was 150 yards.				

Storm Data and Unusual Weather Phenomena - January 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TODD COUNTY --- 2.5 NE CLIFTY [37.01, -87.12], 2.5 ESE TYEWHOPPETY [37.02, -87.09]				
	01/23/12 00:20 CST		20K	Thunderstorm Wind (EG 52 kt)
	01/23/12 00:24 CST		0	Source: Newspaper

Damage was mainly to trees and a mobile home roof.

A potent upper-level trough moved east into eastern Kansas and Oklahoma, before assuming a negative tilt and accelerating east-northeast across the Mid-Mississippi and Lower Ohio Valleys. The associated surface low tracked northeast from Kansas across northern Missouri to southern Wisconsin. Ahead of the low and trough, a south-southwesterly low-level jet in excess of 50 knots expanded east across the Mid-Mississippi Valley. An expansive quasi-linear convective system formed along the lead cold front trailing southward from the surface low. Despite rather meager instability, very strong low and mid-level wind fields resulted in organized storm structures with pockets of damaging wind, isolated large hail, and a couple of tornadoes.

MUHLENBERG COUNTY --- PARADISE [37.27, -86.98], 0.5 WSW PARADISE [37.27, -86.99], 1.3 NNW PARADISE [37.29, -86.99], 1.1 N PARADISE [37.29, -86.98]				
	01/24/12 15:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage

Minor flooding of low-lying woods and fields occurred along the Green River. The river crested on the 28th and then began to fall.

UNION COUNTY --- 0.9 W UNIONTOWN [37.77, -87.95], 0.8 WSW UNIONTOWN [37.77, -87.94], 1.7 W UNIONTOWN [37.77, -87.96], 1.8 W UNIONTOWN [37.77, -87.96]				
	01/28/12 16:00 CST		0	Flood (due to Heavy Rain)
	01/31/12 23:59 CST		0	Source: River/Stream Gage

Minor flooding of low-lying fields occurred along the Ohio River. Several farm roads were flooded. The river continued rising into early February.

Wet conditions in late January brought portions of the Ohio and Green Rivers above flood stage. A complex storm system moved east out of the Plains on the 22nd. Warm moist Gulf of Mexico air fueled showers and even some thunderstorms. This line of storms was slow-moving with torrential rainfall. Rain amounts averaged around one inch. This system stalled over the Deep South, then was pulled back north as an upper-level closed low opened up and passed across the Ohio Valley by the 29th. The combination of the surface front and the upper-level trough produced scattered showers that produced another one-half to one inch of rain between the 25th and 29th. This heavy rain caused the rivers to rise above flood stage by the end of the month. Only minor flooding occurred.

MUHLENBERG COUNTY --- DUNMOR [37.07, -87.00], GREENVILLE [37.20, -87.18]				
	01/26/12 15:00 CST		0	Heavy Rain
	01/26/12 20:00 CST		0	Source: Trained Spotter

Standing water was observed in yards and farmland. Around Dunmor and Penrod, water covered parts of U.S. Highway 431 and Kentucky 949. No road closures were reported. Rainfall rates were around one-quarter inch per hour on saturated ground.

A deepening low pressure center moved northeast from eastern Arkansas to central Kentucky. This system brought heavy rain to parts of western Kentucky.

MISSOURI, Southeast

(MO-Z087) CAPE GIRARDEAU, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	01/11/12 05:00 CST		0	Dense Fog
	01/11/12 09:00 CST		0	

Widespread dense fog reduced visibility to one-quarter mile or less across extreme southeast Missouri. The dense fog was along and east of a line from Cape Girardeau to Sikeston to New Madrid. Surface low pressure lifted northeast toward the Pennyryle region of western Kentucky. The combination of wet ground and light winds in the immediate vicinity of the low pressure center contributed to dense fog.

(MO-Z076) PERRY				
	01/20/12 18:00 CST		0	Winter Weather
	01/21/12 01:00 CST		0	

A few hours of light freezing rain coated most exposed surfaces with a thin glaze. Ground temperatures remained just above freezing, keeping most paved surfaces wet. However, bridges and overpasses became icy. Wooden decks and exposed metal and glass

Storm Data and Unusual Weather Phenomena - January 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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surfaces became icy. The icing was mostly from the Perryville area north. A warm front extended from a surface low pressure center over southwest Arkansas northeast across western Kentucky. Areas of light freezing rain occurred north and northwest of the warm front.

BUTLER COUNTY --- 7.0 NW POPLAR BLUFF [36.82, -90.49], POPLAR BLUFF [36.75, -90.40]

01/22/12 19:45 CST	0	Heavy Rain
01/22/12 21:00 CST	0	Source: Trained Spotter

About one inch of rain fell within an hour as a line of thunderstorms moved through. A trained spotter seven miles northwest of Poplar Bluff measured 1.35 inches in 45 minutes. At the Poplar Bluff airport, 0.89 inches was measured in an hour. Water was running over roadways. There were no reports of road closures or impassable roads.

STODDARD COUNTY --- DUDLEY [36.78, -90.10]

01/22/12 20:40 CST	0	Hail (1.00 in)
01/22/12 20:40 CST	0	Source: Emergency Manager

STODDARD COUNTY --- DEXTER [36.80, -89.95]

01/22/12 20:48 CST	15K	Thunderstorm Wind (EG 52 kt)
01/22/12 20:48 CST	0	Source: Broadcast Media

A large sign, about the size and height of a billboard sign, fell onto a vacant restaurant. The building sustained significant damage.

NEW MADRID COUNTY --- MARSTON [36.52, -89.60]

01/22/12 21:12 CST	25K	Thunderstorm Wind (EG 65 kt)
01/22/12 21:12 CST	0	Source: Emergency Manager

A camper trailer was overturned. The roof was blown off a mobile home. A shed was destroyed.

MISSISSIPPI COUNTY --- CHARLESTON [36.92, -89.33]

01/22/12 21:32 CST	50K	Thunderstorm Wind (EG 56 kt)
01/22/12 21:32 CST	0	Source: Broadcast Media

Damage was reported at the agricultural warehouse of a growers' association. The farm store and seed warehouse were totally destroyed. Both structures were large wood and metal storage sheds that were not of sturdy construction. The oil warehouse was damaged, but there were no leaks or ruptures.

A potent upper-level trough moved east into eastern Kansas and Oklahoma, before assuming a negative tilt and accelerating east-northeast across the Mid-Mississippi and Lower Ohio Valleys. The associated surface low tracked northeast from Kansas across northern Missouri to southern Wisconsin. Ahead of the low and trough, a south-southwesterly low-level jet in excess of 50 knots expanded east across the Mid-Mississippi Valley. An expansive quasi-linear convective system formed along the lead cold front trailing southward from the surface low. Despite rather meager instability, very strong low and mid-level wind fields resulted in organized storm structures with isolated damaging winds and large hail.