

## Storm Data and Unusual Weather Phenomena - February 2010

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

<b>ALEXANDER COUNTY --- 1.3 E CAIRO [37.00, -89.16], 2.5 ESE CAIRO [36.99, -89.14], 2.1 ESE CAIRO [36.99, -89.15], 1.2 ESE CAIRO [37.00, -89.16]</b>				
	02/01/10 00:00 CST		0	Flood (due to Heavy Rain)
	02/14/10 09:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. After cresting in late January, the river rose slowly again in early February. At the Cairo gage, the river crested a second time at 42.10 feet on the 12th. This was lower than the January crest by several feet. Flood stage is 40 feet. Some bottomland fields and river boat launches were under water.

<b>GALLATIN COUNTY --- 0.2 ESE SHAWNEETOWN [37.70, -88.13], 1.9 ENE SHAWNEETOWN [37.71, -88.10], 1.9 NE SHAWNEETOWN [37.72, -88.10], 0.3 N SHAWNEETOWN [37.70, -88.13]</b>				
	02/01/10 00:00 CST		0	Flood (due to Heavy Rain)
	02/05/10 17:00 CST		0	Source: River/Stream Gage

Minor flooding of the Ohio River occurred. At the Shawneetown gage, the river crested at 37.26 feet on the 2nd. Flood stage there is 33 feet. Minor flooding of low-lying fields, woodlands, and a boat launch ramp occurred.

<b>MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 2.9 WNW BROOKPORT [37.13, -88.68], 2.8 WNW BROOKPORT [37.14, -88.67], 0.8 NW BROOKPORT [37.13, -88.64]</b>				
	02/01/10 00:00 CST		0	Flood (due to Heavy Rain)
	02/14/10 09:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. At the Brookport gage, the river crested at 41.20 feet on the 3rd. After falling a little, the river rose slowly again to 39.10 feet on the 12th. Flood stage at Brookport is 37 feet. Some bottomland fields, river boat launches, and river access roads were under water.

<b>PULASKI COUNTY --- 2.4 SE NEW GRAND CHAIN [37.22, -89.99], 2.5 ESE LEVINGS [37.21, -89.03], 1.9 E LEVINGS [37.22, -89.04], 1.8 SSE NEW GRAND CHAIN [37.23, -89.00]</b>				
	02/01/10 00:00 CST		0	Flood (due to Heavy Rain)
	02/14/10 09:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. After cresting in late January, the river rose slowly again in early February. At the Grand Chain gage, the river crested a second time at 44.30 feet on the 11th. This was lower than the January crest by almost four feet. Flood stage is 42 feet. Some bottomland fields and river boat launches were under water.

Minor flooding of the Ohio River continued from late January into the first half of February. The river crested twice at most sites. The first crest in late January or the first few days of February was partially the result of snowmelt from upper reaches of the basin. The second crest toward the middle of the month was due to a storm system passing south of the region. The first storm system of February tracked along the Gulf Coast states between the 4th and 5th and then tracked up the Atlantic Coast. Precipitation fell mostly in liquid form, but there was some snow. Liquid precipitation amounts were between three-quarters and one inch.

<b>(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</b>				
	02/05/10 16:00 CST		0	Winter Weather
	02/06/10 04:00 CST		0	

A small but intense upper level low pressure system moved southeast across southeast Missouri and western Kentucky. A swath of light to moderate snowfall occurred to the north of the path of the low. Rain changed to snow during the late afternoon and early evening. From one to three inches of wet snow was common from the Carbondale area north and east. The heaviest amounts of about three inches occurred north of Interstate 64 in the Wabash Valley, including Mount Carmel. The snow fell mostly at temperatures at or above freezing. Road surfaces became slushy or snow-covered, especially lesser travelled roads. Several accidents were reported. Vehicles slid off roadways.

<b>(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</b>				
	02/08/10 17:00 CST		0	Winter Weather
	02/09/10 08:00 CST		0	

A low pressure center moved northeastward from Louisiana to eastern Kentucky by the early morning hours of the 9th. This brought a wide swath of snowfall to southeast Missouri and the Lower Ohio Valley. The heaviest snow fell southeast of the Ohio River, closer to the track of the intensifying storm system. Snowfall amounts in southern Illinois ranged from one and one-half to three inches. Gusty winds in the wake of the storm caused some minor blowing and drifting snow. Sub-freezing temperatures in the wake a cold front and

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potent upper-level disturbance preserved the snow cover into the end of the week.

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(IL-Z080) PERRY, (IL-Z081) FRANKLIN, (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

02/14/10 18:00 CST	0	Winter Weather
02/15/10 08:00 CST	0	

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

02/14/10 19:00 CST	0	Heavy Snow
02/15/10 09:00 CST	0	

A strong upper level low moved southeast across Missouri, then east across Kentucky. The heaviest snowfall rates were associated with a deformation zone on the north side of the upper low. Snowfall rates were about an inch per hour along an axis from Mount Vernon, Illinois east along the Interstate 64 corridor through southwest Indiana. Numerous vehicle accidents occurred on the snow-covered and slippery roads. Accumulations ranged from about four inches in Mount Vernon to seven inches in the Lower Wabash Valley communities of Mount Carmel and Grayville. To the south, accumulations were mainly an inch or two across the rest of southern Illinois. However, roads that were wet from light rain and drizzle on Valentines Day froze solid there. The ice under the snow was more of a travel concern than the inch or two of snow itself. Gusty winds during the late night hours of the 14th and morning of the 15th caused substantial blowing and drifting. In Edwards County, road conditions were a contributing factor in a fatal two-vehicle collision on the north side of Grayville. A 20-year-old woman was killed (indirect fatality) when she lost control of her car on Illinois Route 130 and slid into the path of an SUV coming from the opposite direction. In Saline County, snow drifts were reported across rural roads two days after the storm. A car slid into a pedestrian on a slippery road in Saline County, causing a minor injury.

### INDIANA, Southwest

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POSEY COUNTY --- 1.0 SSW MT VERNON [37.92, -87.91], 1.1 SW MT VERNON [37.92, -87.92], 0.5 SW MT VERNON [37.93, -87.91], 0.5 SSW MT VERNON [37.92, -87.90]

02/01/10 00:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
02/03/10 18:00 CST	0	Source: River/Stream Gage

Minor flooding of the Ohio River occurred. At the Mount Vernon gage, the river crested at 37.50 feet on the 2nd. Flood stage there is 35 feet. Some low-lying fields and river access ramps were under water.

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WARRICK COUNTY --- 2.3 ESE NEWBURGH [37.93, -87.38], 1.4 SE NEWBURGH [37.94, -87.40], 1.4 ESE NEWBURGH [37.94, -87.40], 2.1 ESE NEWBURGH [37.94, -87.38]

02/01/10 00:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
02/03/10 18:00 CST	0	Source: River/Stream Gage

Minor flooding of the Ohio River occurred. At the Newburgh gage, the river crested in late January. Some low-lying fields and river access ramps were under water.

Minor flooding of the Ohio River continued from late January into the first few days of February. Warmer weather just after the middle of January caused snow in the upper part of the Ohio River basin to melt. This combined with heavy rains around the 20th and 21st of January to send the Ohio River above flood stage. Some sites crested by the end of January, however, some peaked in the first few days of February.

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

02/05/10 20:00 CST	0	Winter Weather
02/06/10 05:00 CST	0	

A small but intense upper level low pressure system moved southeast across southeast Missouri and western Kentucky. A swath of light to moderate snowfall occurred to the north of the path of the low. Rain changed to snow during the evening. From one to three inches of wet snow was common during the night. The heaviest amounts of about three inches occurred north and east of Evansville, including Princeton (Gibson County) and Rockport (Spencer County). The snow fell mostly at temperatures at or above freezing. Road surfaces became slushy or snow-covered, especially lesser-travelled roads. In Spencer County, several vehicles slid off Highway 45 between Rockport and U.S. Highway 231.

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(IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

02/08/10 19:00 CST	0	Heavy Snow
02/09/10 09:00 CST	0	

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**(IN-Z081) GIBSON, (IN-Z082) PIKE**

	02/08/10 20:00 CST	0	0	Winter Weather
	02/09/10 10:00 CST	0	0	

A low pressure center moved northeastward from Louisiana to eastern Kentucky by the early morning hours of the 9th. This brought a wide swath of snowfall to southeast Missouri and the Lower Ohio Valley. The heaviest snow fell southeast of the Ohio River, but extended across portions of southern Indiana, closer to the track of the intensifying storm system. In the Ohio River counties, snowfall amounts ranged from three to seven inches. Three to four inches were measured from Evansville west, and the five to seven inch amounts were east of Evansville into Spencer County. North of Interstate 64, amounts were two to three inches. Many schools were cancelled. A number of accidents occurred. Just northeast of the Evansville Airport, a snow plow hit a vehicle. One person was taken to the hospital. Gusty winds in the wake of the storm caused some minor blowing and drifting snow. Sub-freezing temperatures in the wake a cold front and potent upper-level disturbance preserved the snow cover into the end of the week.

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

	02/14/10 19:00 CST	0	0	Heavy Snow
	02/15/10 09:00 CST	0	0	

A strong upper level low moved southeast across Missouri, then east across Kentucky. The heaviest snowfall rates were associated with a deformation zone on the north side of the upper low. For a few hours, snowfall rates were about an inch per hour along an axis from Mount Vernon, Illinois east along the Interstate 64 corridor through southwest Indiana. Numerous vehicle accidents occurred on the snow-covered and slippery roads. Accumulations ranged from about four inches in Evansville and Mount Vernon, IN to seven or eight inches across Pike, Warrick, and Spencer Counties. Gusty winds during the late night hours of the 14th and the morning of the 15th caused substantial blowing and drifting. Drifts were reported up to a few feet in the open farm country of the Lower Wabash Valley. A brief period of light freezing drizzle reportedly occurred in a few spots, but this precipitation type amounted to little more than a trace. There was a fatal accident on State Route 261 in Warrick County. A 49-year-old woman died (indirect fatality) from injuries sustained in a head-on crash.

### KENTUCKY, Southwest

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**UNION COUNTY --- 0.7 NW UNIONTOWN [37.78, -87.94], 1.8 N UNIONTOWN [37.80, -87.93], 1.7 NNE UNIONTOWN [37.79, -87.92], 0.6 N UNIONTOWN [37.78, -87.93]**

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

Minor flooding of the Ohio River inundated some fields and several farm roads. At the J.T. Myers Lock and Dam gage near Uniontown, the river crested at 38.91 feet on the 2nd. Flood stage there is 37 feet.

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**MCCRACKEN COUNTY --- 2.3 ENE PADUCAH [37.09, -88.59], 0.9 NNE ROWLANDTOWN [37.11, -88.62], 0.4 N ROWLANDTOWN [37.11, -88.63], 1.2 ESE ROWLANDTOWN [37.10, -88.61]**

	02/03/10 09:00 CST	0	0	Flood (due to Heavy Rain / Snow Melt)
	02/04/10 12:00 CST	0	0	Source: River/Stream Gage

Minor flooding of the Ohio River inundated some fields and a boat ramp in Paducah. At the Paducah gage, the river crested at 39.25 feet on the 3rd. Flood stage there is 39 feet.

Minor flooding of the Ohio River continued from late January into the first few days of February. Warmer weather just after the middle of January caused snow in the upper part of the Ohio River basin to melt. This combined with heavy rains around the 20th and 21st of January to send the Ohio River above flood stage. The river peaked during the first few days of February.

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

	02/05/10 21:00 CST	0	0	Winter Weather
	02/06/10 05:00 CST	0	0	

A small but intense upper level low pressure system moved southeast across southeast Missouri and western Kentucky. A swath of light snowfall between one and two inches occurred to the north of the path of the low, from Morganfield east across the Henderson and Owensboro areas. Rain changed to snow during the evening. The snow fell mostly at temperatures at or above freezing. Road surfaces became slushy in spots.

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**MUHLENBERG COUNTY --- 0.3 SSW PARADISE [37.27, -86.98], 0.7 NW PARADISE [37.28, -86.99], 0.5 NNW PARADISE [37.28, -86.98], 0.2 W PARADISE [37.27, -86.98]**

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	02/07/10 09:00 CST		0	Flood (due to Heavy Rain)
	02/09/10 05:00 CST		0	Source: River/Stream Gage

Minor flooding of the Green River occurred. At the Paradise river gage, the river crested at 381.33 feet on the 8th. Flood stage there is 380 feet. Low-lying fields and river access points were under water.

Minor flooding of the Green River occurred. The first storm system of February tracked along the Gulf Coast states between the 4th and 5th and then tracked up the Atlantic Coast. Precipitation fell mostly in liquid form, but there was some snow. Liquid precipitation amounts were between three-quarters and one inch.

(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) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

02/08/10 17:00 CST	0	Heavy Snow
02/09/10 09:00 CST	0	

A low pressure center moved northeastward from Louisiana to eastern Kentucky by the early morning hours of the 9th. This brought a wide swath of snowfall to southeast Missouri and the Lower Ohio Valley. The heaviest snow fell southeast of the Ohio River, but extended across portions of southern Indiana, closer to the track of the intensifying storm system. Snowfall amounts ranged from four to eight inches. The four-inch amounts were mainly from Henderson southwest along the Ohio River to Paducah and Fulton. The highest amounts were around seven inches from Owensboro to Madisonville and Princeton. Many schools were cancelled. A number of accidents occurred. In Caldwell County, a woman was injured when she lost control of her pickup truck and slid down an embankment. The pickup truck overturned. On U.S. Highway 62 east of Princeton, a tractor-trailer truck became stuck on a hill. The highway was blocked for about 40 minutes. Gusty winds in the wake of the storm caused some minor blowing and drifting snow. Sub-freezing temperatures in the wake a cold front and potent upper-level disturbance preserved the snow cover into the end of the week.

(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-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

02/14/10 18:00 CST	0	Winter Weather
02/15/10 08:00 CST	0	

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

02/14/10 19:00 CST	0	Heavy Snow
02/15/10 09:00 CST	0	

A strong upper level low moved southeast across Missouri, then east across Kentucky. The heaviest snowfall rates were associated with a deformation zone on the north side of the upper low. Though the heaviest snowfall rates stayed over southwest Indiana, the Henderson and Owensboro areas of northwest Kentucky received heavy snow. Numerous vehicle accidents occurred on the snow-covered and slippery roads. Five to six inches of snow fell in the Owensboro area, and about four inches fell in Henderson. To the south and southwest, accumulations across the rest of western Kentucky were mainly an inch or two. However, roads that were wet from light rain and drizzle on Valentines Day froze solid. The ice under the snow was more of a travel concern than the inch or two of snow itself. Gusty winds during the late night hours of the 14th and early on the 15th caused substantial blowing and drifting of the snow.

### MISSOURI, Southeast

NEW MADRID COUNTY --- 1.7 SSE NEW MADRID [36.58, -89.52], 3.0 SE NEW MADRID [36.57, -89.49], 3.0 ESE NEW MADRID [36.58, -89.48], 1.1 SE NEW MADRID [36.59, -89.52]

02/01/10 00:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
02/02/10 11:00 CST	0	Source: River/Stream Gage

At the New Madrid gage on the Mississippi, the river crested in late January. However, some bottomland fields and river access trails remained under water for the first couple days of February.

Minor flooding of the Mississippi River continued from late January into the first few days of February. Warmer weather just after the middle of January caused snow in the upper parts of the Mississippi and Ohio River basins to melt. This combined with heavy rains around the 20th and 21st of January to send both rivers above flood stage.

(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

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	02/08/10 15:00 CST		0	Winter Weather
	02/09/10 07:00 CST		0	

**(MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID**

	02/08/10 16:00 CST		0	Heavy Snow
	02/09/10 07:00 CST		0	

A low pressure center moved northeastward from Louisiana to eastern Kentucky by the early morning hours of the 9th. This brought a wide swath of snowfall to southeast Missouri and the Lower Ohio Valley. The heaviest snow fell southeast of the Ohio River, but extended across a small portion of southeast Missouri, closer to the track of the intensifying storm system. Snowfall amounts were two to three inches across most of southeast Missouri, except four inches south and east of Sikeston. Many schools were cancelled. A number of accidents occurred. Gusty winds in the wake of the storm caused some minor blowing and drifting snow. Sub-freezing temperatures in the wake a cold front and potent upper-level disturbance preserved the snow cover into the end of the week.

**(MO-Z076) PERRY, (MO-Z087) CAPE GIRARDEAU**

	02/14/10 18:00 CST		0	Winter Weather
	02/14/10 23:00 CST		0	

A strong upper level low moved southeast across Missouri, then east across Kentucky. The heaviest snowfall rates, which did not occur over southeast Missouri, were associated with a deformation zone on the north side of the upper low. Only about an inch of snow fell from Cape Girardeau northward, with less than an inch elsewhere in southeast Missouri. However, roads that were wet from light rain and drizzle on Valentines Day froze solid. The ice under the snow was more of a travel concern than the snow itself.