

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

ILLINOIS, South

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE

03/01/15 00:00 CST		0		Heavy Snow
03/01/15 12:00 CST		0		

(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-Z092) ALEXANDER

03/01/15 00:00 CST		0		Winter Weather
03/01/15 12:00 CST		0		

This event continued from the last day of February. A mixed bag of winter precipitation produced very hazardous travel conditions. The precipitation was mainly snow northwest of a line from Carbondale to Mount Carmel. A swath of heavy snow fell across Wayne and Jefferson Counties, including the Mount Vernon area. The co-operative observer near Mount Vernon measured 6.5 inches of snow. A trained spotter several miles south of Mount Erie in Wayne County measured 6 inches. Amounts tapered off toward the south. Only about 2 inches was reported near Pinckneyville and Du Quoin (in Perry County) and at Dahlgren (in Hamilton County). Along and southeast of a line from Carbondale to Mount Carmel, the precipitation was mainly in the form of light sleet and freezing drizzle. Amounts were generally one-tenth inch or less. Little if any wintry precipitation occurred in the southeast corner of the state, from Vienna south and east to the Ohio River. The precipitation was caused by a surge of warmer air aloft moving north across the region. The warmer air aloft moved over a shallow layer of cold air near the surface. As the depth of cold air decreased, the precipitation changed from snow to sleet and freezing rain, then finally to liquid rain or drizzle.

(IL-Z075) JEFFERSON

03/04/15 07:00 CST		0		Winter Weather
03/04/15 19:00 CST		0		

(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

03/04/15 07:00 CST		0		Winter Storm
03/05/15 01:00 CST		0		

A major winter storm dumped up to a foot of snow in southern Illinois. Snowfall amounts increased from north to south, ranging from just a few inches along Interstate 64 to one foot along the Ohio River at Metropolis. Rain gradually changed over to snow during the day. A few hours of sleet and freezing rain occurred during the transition from rain to snow. Up to one-tenth inch of sleet and ice accumulated, followed by snow. The steadiest and heaviest snow was south and east of the Marion/Carbondale area, where visibility was occasionally below one-half mile in heavy snow. Snowfall rates were one to two inches per hour during the evening. Specific snowfall amounts included: 11 inches in Brookport and Mound City (both along the Ohio River), 8 inches in Anna (Union County), Carrier Mills (Saline County), and Cave-In-Rock (Hardin County), about 6 inches in the Marion/Carbondale area, 5 inches in Mount Carmel, 4 inches in Du Quoin (Perry County), and 2 inches in Mount Vernon. North winds gusted up to 25 mph, causing some drifting of the snow. Travel became very difficult. In far southern parts of the state, unplowed roads were impassable to smaller, lighter vehicles. Near Murphysboro, Illinois Route 149 was shut down due to several semis that could not climb a hill. Schools were closed for the remainder of the week in most counties. Just across the Ohio River in Paducah, Kentucky, there were 12.1 inches of snow, which was the heaviest March snowstorm on record for that location. It was also the third largest snowstorm for any time of the year at Paducah. Some of the coldest air ever recorded in the month of March invaded southern Illinois the day after the snowstorm, hampering snow removal efforts. The low temperature was 3 below zero at Carbondale on March 6. In the wake of a strong cold front that passed through on the night of the 3rd, an arctic high pressure center moved southeast into the central Plains. A deep 500 mb trough progressed slowly eastward from the Rockies across the Plains. This trough was responsible for a sustained period of moist southwest flow aloft. The relatively moist air overrunning cold air near the surface set the stage for widespread moderate to heavy snow.

ALEXANDER COUNTY --- CAIRO [37.00, -89.18]

03/04/15 07:45 CST		0		Heavy Rain
03/04/15 09:30 CST		0		Source: Broadcast Media

Water was over U.S. Highway 51 in places throughout Cairo.

UNION COUNTY --- COBDEN [37.53, -89.25], WATER VLY [37.55, -89.17]

03/04/15 08:00 CST		0		Heavy Rain
03/04/15 10:30 CST		0		Source: Trained Spotter

Water was over a secondary road in a remote area of the Shawnee National Forest. The water was rising and running across the road.

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Widespread heavy rain fell over ground that was saturated from a combination of snowmelt and a heavy rainstorm in late February. The heavy rain was caused by a slow-moving cold front that crossed the Lower Ohio Valley during the evening of the 3rd. Ahead of a large 500 mb trough over the Rockies, very moist southwest flow aloft sustained an extensive area of moderate to heavy rain.</p>				
<hr/>				
<p>GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 2.7 SSW SHAWNEETOWN [37.67, -88.15], 2.9 E BOWLESVILLE [37.67, -88.17], 0.9 SW SHAWNEETOWN [37.69, -88.14]</p>				
	03/07/15 16:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/30/15 12:00 CST		0	Source: River/Stream Gage
<p>Moderate flooding occurred on the Ohio River. At the Shawneetown river gage, the river crested at 48.36 feet on the 20th. Flood stage is 33 feet. The community of Old Shawneetown was threatened, but most of this community has been abandoned since the devastating flood of 2011. Very little if any structural flooding was reported in Old Shawneetown. This flood crest was slightly higher than the flood of January, 2005.</p>				
<hr/>				
<p>HARDIN COUNTY --- ROSICLARE [37.42, -88.35], 0.7 ESE ROSICLARE [37.42, -88.34], 0.4 SSE ELIZABETHTOWN [37.44, -88.30], 1.0 SW ELIZABETHTOWN [37.44, -88.31]</p>				
	03/07/15 16:00 CST		20K	Flood (due to Heavy Rain / Snow Melt)
	03/30/15 12:00 CST		0	Source: River/Stream Gage
<p>Moderate flooding occurred on the Ohio River. A campground at Saline Landing was flooded, and Front Street was flooded in Elizabethtown. There was sandbagging around homes in Elizabethtown and Cave-In-Rock. Several mobile homes and trailers in Hardin County were pulled away from the water. At Rosiclare, Illinois Route 146 was closed leading into town, and water was up about 5 feet along a floodgate. The town of Rosiclare put up the first floodgates in the lowest sections of town. However, little or no property damage occurred in Hardin County. The ferry from Cave-In-Rock to the Kentucky shore suspended operations due to high water.</p>				
<hr/>				
<p>MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 0.7 WNW METROPOLIS [37.15, -88.74], 0.1 N METROPOLIS [37.15, -88.73], 0.6 NW BROOKPORT [37.13, -88.64]</p>				
	03/09/15 00:00 CST		1K	Flood (due to Heavy Rain / Snow Melt)
	03/30/15 16:00 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the Ohio River. At the Brookport river gage, the river crested at 47.30 feet on the 17th. Flood stage is 37 feet. Floodwaters entered a neighborhood in Metropolis, closing a few side streets and inundating one mobile home. Some water entered Brookport. Very few structures were affected, though water reached the foundation of at least one house. Large areas of agricultural land were flooded countywide, but planting was not yet underway. Much of Fort Massac State Park was flooded. This flood crest was just several inches below the flood of March, 2008.</p>				
<hr/>				
<p>PULASKI COUNTY --- MOUND CITY [37.08, -89.17], 0.9 NE AMERICA [37.14, -89.11], 2.1 E LEVINGS [37.22, -89.03], 2.9 ESE LEVINGS [37.21, -89.02], 1.5 E MOUND CITY [37.08, -89.14]</p>				
	03/09/15 19:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/31/15 00:00 CST		0	Source: River/Stream Gage
<p>Moderate flooding occurred on the Ohio River. At the Grand Chain river gage, the river crested at 51.50 feet on the 17th. Flood stage is 42 feet. This flood crest was nearly identical to the flood in May of 2010. Water reached the power house at old Lock and Dam 53. Low-lying woods, fields, and bottomlands were affected.</p>				
<hr/>				
<p>POPE COUNTY --- 0.8 ENE TANSILL [37.31, -88.52], 1.5 E TANSILL [37.30, -88.50], 2.8 NNE GOLCONDA [37.40, -88.45], 2.5 NNE GOLCONDA [37.40, -88.47]</p>				
	03/10/15 21:00 CST		10K	Flood (due to Heavy Rain / Snow Melt)
	03/29/15 03:00 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the Ohio River. At the Golconda river gage, the river crested at 48.60 feet on the 20th. Flood stage is 40 feet. A few families evacuated their homes in an area known as "Hall Town." Large areas of agricultural land were flooded. Crop losses were negligible since planting was not yet underway. This flood was nearly identical to the flood crest of March, 2008.</p>				
<hr/>				
<p>ALEXANDER COUNTY --- 2.4 ESE CAIRO [36.99, -89.14], 2.1 ESE CAIRO [36.98, -89.15], 0.6 NNE CAIRO [37.01, -89.17], 1.0 NE CAIRO [37.01, -89.17]</p>				
	03/11/15 11:45 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/31/15 05:00 CST		0	Source: River/Stream Gage
<p>Moderate flooding occurred on the Ohio River. At the Cairo river gage, the river crested at 48.48 feet on the 20th. Flood stage is 40 feet. Mainly agricultural bottomland and surrounding low-lying areas were affected. Portions of Fort Defiance State Park were flooded. This flood crest was about a foot below the flood of May, 2010.</p>				
<p>Moderate flooding occurred along most of the Ohio River, with pockets of only minor flooding. A heavy rainfall event on March 3 was followed by a major winter storm on March 4 into early March 5. Two more heavy rainfall events occurred in quick succession. On the 9th and 10th, one to two inches of rain fell, followed by two to four more inches on the 13th and 14th. The combined effect of all these rain and snow events was a prolonged flooding event on the Ohio River. Since the precipitation was spread out over a 10-day period, the</p>				

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

magnitude of the flooding was generally moderate instead of major.

(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

	03/11/15 00:00 CST		0	Dense Fog
	03/11/15 10:00 CST		0	

Widespread dense fog over southern Illinois reduced visibility to one-quarter mile or less. Weak high pressure was responsible for light winds. The light winds, combined with saturated ground from snowmelt and heavy rain, set the stage for dense fog.

WILLIAMSON COUNTY --- 5.0 SE MARION [37.68, -88.87], HERRIN [37.80, -89.03]

	03/13/15 15:00 CST		0	Heavy Rain
	03/13/15 22:00 CST		0	Source: Trained Spotter

Street flooding occurred in Herrin. A trained spotter near the Johnson County line measured 2.50 inches of rain through about midnight, with rain still falling.

JACKSON COUNTY --- MURPHYSBORO [37.77, -89.33], DE SOTO [37.82, -89.23]

	03/13/15 16:00 CST		30K	Heavy Rain
	03/14/15 03:00 CST		0	Source: Trained Spotter

Water was over a residential street in Murphysboro. The street was still passable. Near Desoto, a secondary road was washed out because a culvert underneath the road was insufficient to handle the runoff.

FRANKLIN COUNTY --- SESSER [38.10, -89.05], MULKEYTOWN [37.97, -89.12]

	03/13/15 17:30 CST		0	Heavy Rain
	03/14/15 03:30 CST		0	Source: Public

Several county roads in rural farm country were covered by water. No official road closures were reported. At Mulkeytown, the storm-total rainfall was 4.49 inches. Of that total, 4.29 inches fell on the 13th and 0.20 inches fell early on the 14th.

WAYNE COUNTY --- WAYNE CITY [38.35, -88.58], 1.5 S SIMS [38.35, -88.53], 1.4 WSW BARNHILL [38.27, -88.39], 5.0 WSW BARNHILL [38.26, -88.46]

	03/13/15 20:45 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/15/15 09:15 CST		0	Source: River/Stream Gage

Minor flooding occurred on the Skillet Fork River. At the Wayne City river gage, the river crested at 16.79 feet on the 14th. Flood stage is 15 feet. Low-lying woods and fields were flooded.

UNION COUNTY --- WARE [37.45, -89.40]

	03/14/15 06:30 CST		0	Heavy Rain
	03/14/15 06:30 CST		0	Source: Trained Spotter

A trained spotter reported 3.60 inches of rain during the storm.

EDWARDS COUNTY --- 4.0 W WEST SALEM [38.52, -88.09]

	03/14/15 07:45 CST		0	Heavy Rain
	03/14/15 07:45 CST		0	Source: Trained Spotter

The storm-total rainfall amount was 3.20 inches.

Two consecutive heavy rain events, combined with snowmelt from the March 4th storm, produced some localized flooding. On the 10th and 11th, widespread showers produced average rainfall amounts around one inch, with isolated places reporting near two inches. Between the 12th and 14th, a storm system developed in east Texas and phased with an upper-level trough moving east through the upper Mississippi Valley. Widespread moderate to heavy rain produced rain totals between 2 and 4 inches.

WABASH COUNTY --- MT CARMEL [38.42, -87.77], KEENSBURG [38.35, -87.87], 1.0 SSE ROCHESTER [38.34, -87.83], 2.1 E MT CARMEL [38.42, -87.73]

	03/13/15 15:00 CST	1	5K	Flood (due to Heavy Rain / Snow Melt)
	03/24/15 12:00 CST		0	Source: River/Stream Gage

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Minor flooding occurred on the Wabash River. At the Mount Carmel river gage, the river crested at 24.78 feet on the 19th. Flood stage is 19 feet. Backwater flooding of tributary creeks occurred, including Coffee Creek near Keensburg. One person drowned when his ultra-terrain vehicle became submerged in creek floodwaters near Keensburg. The 22-year-old man was found several days later, after floodwaters had receded a couple of feet. Cattle and farm equipment were relocated. Most local roads along or near the river were impassible. Extensive lowland flooding occurred. Installation of flood gate A at Mount Carmel was necessary. Access to local camp sites was blocked. The Wabash River was more than 2 miles wide at I-64.</p>				
Direct Fatalities: M22VE				
<hr/>				
WHITE COUNTY --- MAUNIE [38.03, -88.05], 1.4 SSW RISING SUN [37.98, -88.04], 1.8 SE RISING SUN [37.98, -88.01], 4.8 ESE GARNERVILLE [38.09, -87.97], 2.1 SE GARNERVILLE [38.10, -88.02]	03/13/15 16:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/25/15 15:00 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the Wabash River. At the New Harmony, IN river gage, the river crested at 18.34 feet on the 20th. Flood stage is 15 feet. There was minor flooding of lowland woods and fields in the bottomlands.</p>				
<hr/>				
WHITE COUNTY --- CARMi [38.08, -88.17], 0.9 SSE CARMi MUNI ARPT [38.09, -88.15], 2.2 WSW EPWORTH [38.06, -88.14], 2.1 N HERALD [38.00, -88.17], 2.5 NNE IRON [38.00, -88.21]	03/13/15 18:45 CST		5K	Flood (due to Heavy Rain / Snow Melt)
	03/31/15 23:59 CST		0	Source: River/Stream Gage
<p>Moderate flooding occurred on the Little Wabash River. At the Carmi river gage, the river crested at 33.38 feet on the 19th. Flood stage is 27 feet. Low-lying areas near Routes 1 and 14 in Carmi began to flood. Some county roads were inundated.</p>				
<hr/>				
JACKSON COUNTY --- 2.1 NE GRIMSBY [37.77, -89.42], 1.8 E GRIMSBY [37.75, -89.42], 1.8 W MT CARBON [37.75, -89.36], 1.3 WNW MT CARBON [37.76, -89.35], 2.9 W MURPHYSBORO [37.77, -89.38]	03/14/15 15:30 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/22/15 12:30 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the Big Muddy River. At the Murphysboro river gage, the river crested at 26.93 feet on the 18th. Flood stage is 22 feet. Parts of South 3rd and 4th Streets in Murphysboro were closed. Mainly bottomland woods, fields, and surrounding low-lying areas were affected.</p>				
<hr/>				
FRANKLIN COUNTY --- PLUMFIELD [37.88, -89.00], 2.2 N ORIENT [37.95, -88.97], 1.9 SE URBAIN [37.95, -89.00], 2.3 ESE ROYALTON [37.86, -89.08]	03/14/15 18:45 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/19/15 19:15 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the Big Muddy River. At the Plumfield river gage, the river crested at 22.76 feet on the 16th. Flood stage is 20 feet. Low-lying woods and fields near the river were inundated.</p>				
<p>Minor flooding occurred along the Lower Wabash River and the Big Muddy River, and moderate flooding occurred on the Little Wabash River. A heavy rainfall event on March 3 was followed by a winter storm on March 4 into early March 5. Two more heavy rainfall events occurred in quick succession. These events were on the 9th and 10th, and on the 13th and 14th. The combined effect of all these rain and snow events was a widespread river flooding event. Since the precipitation was spread out over a 10-day period, the magnitude of the flooding was generally minor instead of major.</p>				
<hr/>				
JEFFERSON COUNTY --- WOODLAWN [38.33, -89.03]	03/24/15 22:56 CST		0	Hail (1.00 in)
	03/24/15 22:56 CST		0	Source: Trained Spotter
<p>A weak low pressure center moved northeast across Missouri into west central Illinois. A cold front trailing southward from this low crossed southern Illinois, triggering isolated thunderstorms. One of these storms produced large hail in the Mount Vernon area.</p>				
<hr/>				
UNION COUNTY --- WARE [37.45, -89.40]	03/25/15 19:00 CST		0	Hail (1.50 in)
	03/25/15 19:00 CST		0	Source: Public
<hr/>				
UNION COUNTY --- JONESBORO [37.45, -89.27], COBDEN [37.53, -89.25]	03/25/15 19:10 CST		0	Hail (0.75 in)
	03/25/15 19:15 CST		0	Source: Trained Spotter
<p>Dime-size hail fell in the Cobden and Jonesboro areas.</p>				
<hr/>				
JOHNSON COUNTY --- 3.0 SE VIENNA [37.39, -88.86]				

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/25/15 19:25 CST		0	Hail (1.00 in)
	03/25/15 19:25 CST		0	Source: Law Enforcement

Dime to quarter-size hail occurred on Interstate 24.

PULASKI COUNTY --- 3.0 E PULASKI [37.22, -89.15]

	03/25/15 21:30 CST		0	Hail (0.88 in)
	03/25/15 21:30 CST		0	Source: Emergency Manager

The hail occurred on Interstate 57 at mile marker 14.

A few severe thunderstorms developed during the evening hours in the vicinity of a southward moving cold front. The front settled southward through southern Illinois and southern Missouri. The atmosphere was only modestly unstable, with mixed-layer capes from 500 to 1000 j/kg. However, the storms were supported by a strengthening low level jet in association with a lead shortwave trough moving through the southern Plains. The strengthening low level jet contributed to stronger convergence and ascent, which corresponded to increasing thunderstorm development. There were a few narrow swaths of large hail.

INDIANA, Southwest

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

	03/01/15 00:00 CST		0	Winter Weather
	03/01/15 07:00 CST		0	

This winter weather event continued from the last day of February. A mixed bag of wintry precipitation caused hazardous travel conditions north of Interstate 64. Across most of Gibson and Pike Counties, the precipitation was in the form of light snow, sleet, and freezing drizzle. Along the White River, one inch of new snow was reported at Hazleton. To the south, amounts were generally one-tenth inch or less along Interstate 64. Little if any wintry precipitation occurred in the counties bordering the Ohio River. The precipitation was caused by a surge of warmer air aloft moving north across the region. The warmer air aloft moved over a shallow layer of cold air near the surface. As the depth of cold air decreased, the precipitation changed from sleet and freezing drizzle to liquid drizzle.

VANDERBURGH COUNTY --- EVANSVILLE [37.98, -87.55]

	03/04/15 09:00 CST		0	Heavy Rain
	03/04/15 11:00 CST		0	Source: Unknown

Portions of the Lloyd Expressway were flooded in the typical spots that are poorly drained.

Widespread heavy rain fell over ground that was saturated from a combination of snowmelt and a heavy rainstorm in late February. The heavy rain was caused by a slow-moving cold front that crossed the Lower Ohio Valley during the evening of the 3rd. Ahead of a large 500 mb trough over the Rockies, very moist southwest flow aloft sustained an extensive area of moderate to heavy rain.

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

	03/04/15 10:00 CST		0	Winter Storm
	03/05/15 02:00 CST		0	

A winter storm produced 4 to 9 inches of snow across southwest Indiana. Snowfall amounts generally increased from north to south, ranging from about 5 inches along the White River to 8 or 9 inches along the Ohio River. Rain gradually changed over to snow during the late morning and afternoon. A few hours of sleet and freezing rain occurred during the transition from rain to snow. Roads quickly became very slick and hazardous. Up to one-half inch of sleet accumulated, followed by snow. The snow fell heavily during the evening, accumulating at the rate of one-and-one-half inches per hour and reducing visibility below one-half mile. Specific snowfall reports included: 8.5 inches at Rockport (Spencer County), 8 inches at Mount Vernon (Posey County) and at Evansville, 7.5 inches at Chrisney (Spencer County), and 7 inches at Petersburg (Pike County). Four inches was reported at Francisco (Gibson County). North winds gusted up to 25 mph, causing some drifting of the snow. In Posey County, Interstate 64 eastbound was shut down after an accident involving a snow plow and a semi. Schools were closed for the remainder of the week in most counties. The 8.5 inches of snow at Evansville was the fourth biggest March snowstorm on record at that location. The March record was set in 1960, when 10.9 inches fell early in the month. Some of the coldest air ever recorded in the month of March invaded southwest Indiana the day after the snowstorm, hampering snow removal efforts. The low temperature was zero at Evansville on March 6. This was only the fifth time a temperature of zero or below had been recorded in the month of March. In the wake of a strong cold front that passed through on the night of the 3rd, an arctic high pressure center moved southeast into the central Plains. A deep 500 mb trough progressed slowly eastward from the Rockies across the Plains. This trough was responsible for a sustained period of moist southwest flow aloft. The relatively moist air overrunning cold air near the surface set the stage for widespread moderate to heavy snow.

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WARRICK COUNTY --- NEWBURGH [37.95, -87.42], 1.6 SSE YANKEETOWN [37.90, -87.29], 2.0 S YANKEETOWN [37.89, -87.30], 0.6 SSE NEWBURGH [37.94, -87.42]				
	03/06/15 10:30 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/26/15 09:30 CST		0	Source: River/Stream Gage

Moderate flooding occurred on the Ohio River. At the Newburgh river gage, the river crested at 48.07 feet on the 17th. Flood stage is 38 feet. Floodwaters approached or covered Indiana Route 66 about one mile downriver from the Newburgh dam. Highway 662 was flooded near the old lock and dam. Some low-lying agricultural land was flooded. The crest of 48.07 feet was the tenth highest on record for Newburgh, and it was a foot below the April, 2011 flood crest.

POSEY COUNTY --- MT VERNON [37.93, -87.90], 0.3 SE HOVEY [37.90, -87.93], 0.3 NNE HOVEY [37.90, -87.93], 0.6 SW MT VERNON [37.92, -87.91]				
	03/07/15 16:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/28/15 03:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred on the Ohio River. At the Mount Vernon river gage, the river crested at 46.40 feet on the 19th. Flood stage is 35 feet. Large portions of Point Township in Posey County were flooded. Farmland and some main roads were flooded in places southwest and west of Mt. Vernon. Spring planting was not yet underway, so crop losses were negligible.

VANDERBURGH COUNTY --- 5.0 S SMYTHE [37.93, -87.47], 5.7 S SMYTHE [37.92, -87.47], 1.9 W CYPRESS [37.92, -87.66], 1.4 SSW HOWELL [37.95, -87.64]				
	03/10/15 05:30 CST	1	50K	Flood (due to Heavy Rain / Snow Melt)
	03/23/15 21:00 CST	1	0	Source: River/Stream Gage

Minor flooding occurred on the Ohio River. At the Evansville river gage, the river crested at 45.21 feet on the 18th. Flood stage is 42 feet. About 20 secondary roads were flooded in bottomland areas near the river. They were mostly farm roads flooded near the river, outside the Evansville city limits. Most of the flooded roads were south of Interstate 164 in the southeast part of the county and in lowland areas in the southwest part of the county. One motorist drowned after disregarding barricades and driving down a flooded road. A passenger in the vehicle was able to roll down a window and escape from the pickup truck. A police officer arrived, threw a rope to the passenger, and pulled her to safety. The driver of the truck was located underwater by the dive team of the Evansville Fire Department. CPR was administered to the driver, who was rushed to a local hospital. The passenger was treated and released from the hospital. The driver died at the hospital. The estimated water level at the scene of the drowning was estimated to be at least 6 or 7 feet. Floodwaters backed up into Pigeon Creek, forcing that creek well out of its banks. The crest of 45.21 feet was about a foot-and-a-half below the crest of the April, 2011 flood.

Direct Fatalities: F60VE

Moderate flooding occurred along most of the Ohio River, with pockets of only minor flooding. A heavy rainfall event on March 3 was followed by a major winter storm on March 4 into early March 5. Two more heavy rainfall events occurred in quick succession. On the 9th and 10th, one to two inches of rain fell, followed by two to four more inches on the 13th and 14th. The combined effect of all these rain and snow events was a prolonged flooding event on the Ohio River. Since the precipitation was spread out over a 10-day period, the magnitude of the flooding was generally moderate instead of major.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	03/11/15 02:00 CST		0	Dense Fog
	03/11/15 10:00 CST		0	

Widespread dense fog over southwest Indiana reduced visibility to one-quarter mile or less. Weak high pressure was responsible for light winds. The light winds, combined with saturated ground from snowmelt and heavy rain, set the stage for dense fog.

PIKE COUNTY --- PETERSBURG [38.50, -87.28], 0.8 NNW PETERSBURG [38.51, -87.28], 4.9 NNW ALGIERS [38.55, -87.20], 3.8 NNW ALGIERS [38.53, -87.19]				
	03/11/15 04:00 EST		20K	Flood (due to Heavy Rain / Snow Melt)
	03/24/15 05:00 EST		0	Source: River/Stream Gage

Moderate flooding occurred on the White River. At the Petersburg river gage, the river crested at 23.62 feet on the 17th. Flood stage is 16 feet. Extensive flooding affected agricultural and rural residential areas. Several rural county roads were flooded. Several small oil fields were inaccessible. High water isolated some river cabins. State Road 257 south of Washington completely flooded.

GIBSON COUNTY --- HAZLETON [38.48, -87.53], 0.7 S GIRO [38.49, -87.47], 0.6 NW GIRO [38.50, -87.48], 0.9 NNW HAZLETON [38.49, -87.54]				
	03/11/15 13:00 CST		30K	Flood (due to Heavy Rain / Snow Melt)
	03/25/15 04:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred on the White River. At the Hazleton river gage, the river crested at 24.20 feet on the 19th. Flood stage is 16 feet. Some river cabin residents evacuated. Most local roads near the river were flooded. Several oil fields were inaccessible.

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GIBSON COUNTY --- PATOKA [38.42, -87.58], 0.9 ENE EAST MT CARMEL [38.41, -87.72], 1.5 SE EAST MT CARMEL [38.38, -87.71], 2.9 NE PRINCETON [38.38, -87.54]				
	03/13/15 11:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/25/15 06:00 CST		0	Source: River/Stream Gage
Moderate flooding occurred along the Patoka River. At the river gage near Princeton, the river crested at 20.75 feet. Flood stage is 18 feet. Lowland woods and fields were inundated.				
GIBSON COUNTY --- EAST MT CARMEL [38.40, -87.73], 2.5 WSW SKELTON [38.34, -87.82], 1.2 SW CAROL [38.32, -87.79], 1.5 SE EAST MT CARMEL [38.38, -87.71]				
	03/13/15 15:00 CST		10K	Flood (due to Heavy Rain / Snow Melt)
	03/24/15 12:00 CST		0	Source: River/Stream Gage
Minor flooding occurred on the Wabash River. At the Mount Carmel river gage, the river crested at 24.78 feet on the 19th. Flood stage is 19 feet. Extensive lowland flooding occurred. Access to local camp sites was blocked, but there was minimal impact to commercial activities. Several local roads were impassable. All oil field production ceased with the exception of pumping units on substructures. Access to these was by boat only. Farmers moved livestock to higher ground.				
POSEY COUNTY --- NEW HARMONY [38.13, -87.93], 0.7 NNE NEW HARMONY [38.14, -87.93], 0.6 WNW NEW HARMONY [38.13, -87.94], 1.6 SW NEW HARMONY [38.11, -87.95]				
	03/13/15 15:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/25/15 15:00 CST		0	Source: River/Stream Gage
Minor flooding occurred on the Wabash River. At the New Harmony river gage, the river crested at 18.34 feet on the 20th. Flood stage is 15 feet. There was minor flooding of low-lying fields and bottomlands.				
Minor to moderate flooding occurred along the Lower Wabash River and its tributaries. A heavy rainfall event on March 3 was followed by a winter storm on March 4 into early March 5. Two more heavy rainfall events occurred in quick succession. These events were on the 9th and 10th, and on the 13th and 14th. The combined effect of all these rain and snow events was a rather extended flooding event in the Wabash River basin. Since the precipitation was spread out over a 10-day period, the magnitude of the flooding was generally minor to moderate instead of major.				
GIBSON COUNTY --- 3.0 SW PRINCETON [38.32, -87.61]				
	03/13/15 20:00 CST		0	Heavy Rain
	03/13/15 20:00 CST		0	Source: Trained Spotter
A storm-total of 1.66 inches of rain was reported, with rain still falling.				
VANDERBURGH COUNTY --- EVANSVILLE [37.98, -87.55]				
	03/13/15 21:00 CST		0	Heavy Rain
	03/13/15 21:00 CST		0	Source: Trained Spotter
Rainfall during the past 20 hours was reported to be 1.80 inches.				
WARRICK COUNTY --- NEWBURGH [37.95, -87.42]				
	03/14/15 12:45 CST		0	Heavy Rain
	03/14/15 12:45 CST		0	Source: Trained Spotter
The rain total on the 13th was 1.77 inches. Another 0.41 inches fell early on the 14th. The storm-total rainfall was 2.18 inches.				
Two consecutive heavy rain events, combined with snowmelt from the March 4th storm, produced some localized flooding. On the 10th and 11th, widespread showers produced average rainfall amounts around one inch, with isolated places reporting near two inches. Between the 12th and 14th, a storm system developed in east Texas and phased with an upper-level trough moving east through the upper Mississippi Valley. Widespread moderate to heavy rain produced rain totals between 2 and 4 inches.				
KENTUCKY, Southwest				
MCCRACKEN COUNTY --- OAKS [36.97, -88.55], 0.4 ESE OAKS [36.97, -88.54], 1.6 SSE OAKS [36.95, -88.54], 1.5 SSW OAKS [36.95, -88.56]				
	03/04/15 05:00 CST		10K	Flood (due to Heavy Rain / Snow Melt)
	03/04/15 15:00 CST		0	Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

A secondary road (Kentucky Highway 1255) was flooded in a low-lying area near the Clarks River. A motorist drove her SUV into the floodwater. The SUV stalled out with water up to the door. The driver was forced to abandon the vehicle and walk back home. The vehicle was pulled from the water, and the road was closed. This is a typical flood-prone area near the river.

MARSHALL COUNTY --- 2.5 N TATUMSVILLE [36.97, -88.30], CALVERT CITY [37.03, -88.35]

	03/04/15 06:00 CST		0	Heavy Rain
	03/04/15 15:00 CST		0	Source: Public

A secondary road was underwater between Gilbertsville and Draffenville. A storm-total rainfall of 2.26 inches was reported by an off-duty meteorologist at Calvert City.

BALLARD COUNTY --- 2.0 ENE KEVIL [37.09, -88.87]

	03/04/15 07:00 CST		0	Heavy Rain
	03/04/15 10:00 CST		0	Source: Broadcast Media

Water was over Highway 725 near the McCracken County line.

GRAVES COUNTY --- WATER VLY [36.57, -88.80]

	03/04/15 07:00 CST		0	Heavy Rain
	03/04/15 12:00 CST		0	Source: Trained Spotter

A few inches of running water covered old Highway 45.

WEBSTER COUNTY --- PROVIDENCE [37.40, -87.77], CLAY [37.48, -87.83], SEBREE [37.60, -87.53], 5.0 SE DIXON [37.47, -87.64]

	03/04/15 08:00 CST		0	Flood (due to Heavy Rain)
	03/04/15 13:00 CST		0	Source: Law Enforcement

Numerous roads were flooded and closed.

CALLOWAY COUNTY --- MURRAY [36.62, -88.32]

	03/04/15 09:00 CST		0	Heavy Rain
	03/04/15 15:00 CST		0	Source: Trained Spotter

A few secondary roads in the area were flooded. A trained spotter reported a storm-total rainfall of 2.75 inches near the Murray airport.

DAVISS COUNTY --- OWENSBORO [37.77, -87.12]

	03/04/15 09:00 CST		0	Heavy Rain
	03/04/15 13:00 CST		0	Source: Trained Spotter

A street was closed with 12 inches of water over the road.

HOPKINS COUNTY --- 1.0 ENE MORTONS GAP [37.24, -87.46], 4.0 NW HANSON [37.46, -87.53], 2.0 NNW VANDETTA [37.48, -87.44], 2.3 SSW WHITE CITY [37.24, -87.43]

	03/04/15 09:00 CST		0	Flood (due to Heavy Rain)
	03/04/15 13:00 CST		0	Source: Law Enforcement

Near Mortons Gap, a southbound ramp of the Pennyryle Parkway interchange was closed due to flooding. Numerous roads were flooded and closed elsewhere around the county, including State Route 270.

CHRISTIAN COUNTY --- 1.3 WSW SELDON [37.11, -87.49], 1.7 SE SELDON [37.10, -87.45], 1.5 NE SELDON [37.13, -87.45], 1.1 N MANNINGTON [37.15, -87.48]

	03/04/15 11:30 CST		0	Flood (due to Heavy Rain)
	03/04/15 15:00 CST		0	Source: Trained Spotter

A stretch of Highway 41N about 100 yards long was underwater. Several side roads were underwater. A storm-total rainfall of 3.50 inches was reported at Gracey before it changed to sleet.

Widespread heavy rain fell over ground that was saturated from a combination of snowmelt and a heavy rainstorm in late February. The heavy rain was caused by a slow-moving cold front that crossed the Lower Ohio Valley during the evening of the 3rd. Ahead of a large 500 mb trough over the Rockies, very moist southwest flow aloft sustained an extensive area of moderate to heavy rain.

(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,

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(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				
	03/04/15 11:00 CST	1	0	Winter Storm
	03/05/15 06:00 CST		0	

Direct Fatalities: M60OU

A major winter storm dumped 6 to 18 inches of snow across western Kentucky. The Kentucky governor declared a state of emergency for the second time in less than a month. Snowfall amounts were lowest in the Henderson and Owensboro areas, where 6 to 8 inches was reported. The highest amounts were from 15 to 18 inches in a swath extending from Mayfield east across the Land-Between-The-Lakes area, then east through the Western Kentucky Parkway corridor to Central City. Rain gradually changed over to snow during the afternoon and early evening. A few hours of sleet and freezing rain occurred during the transition from rain to snow. Up to an inch of sleet accumulated, followed by snow. The snow fell heavily during the night, accumulating at the rate of two inches per hour and reducing visibility below one-half mile. The highest specific snowfall reports were about 17 inches in Muhlenberg, southern Hopkins, and northern Christian Counties. Paducah and Hopkinsville each reported 12 inches. Other specific snowfall reports included: 15 inches at Benton, Mayfield, and Cadiz, 10 inches at Murray and near Fulton, 8 inches at Owensboro, and 6 inches at Henderson. North winds gusted up to 25 mph, causing some drifting of the snow. Drifts were locally up to two feet deep. Travel became very difficult. In much of western Kentucky, unplowed roads were impassable to smaller, lighter vehicles. Interstate 24 was closed through most of western Kentucky due to numerous crashes and stranded vehicles blocking traffic. The closure extended from exit 11 in the Paducah area to the Cadiz exit in Trigg County. Two companies of the Kentucky National Guard were deployed to assist hundreds of individuals stranded in their vehicles on Interstate 24, some of them for almost 24 hours. Hundreds of semis were stranded, along with numerous other vehicles. The interstate was blocked or closed for most of the 24-hour period following the snowstorm. The most persistent blockages and closures were in Lyon, Caldwell, and northern Trigg Counties. In Hopkins County, a double-trailer semi crashed on southbound Interstate 69, blocking both lanes for several hours. A portion of the Western Kentucky Parkway was also closed due to a semi that was stuck in snow. Across western Kentucky, authorities received hundreds of requests for assistance from stranded motorists, and there were over one hundred accidents. In Christian County alone, at least 138 motorists required assistance after sliding off roadways or getting stuck. Christian County reported 45 accidents in that county, including nine with injuries. In Marshall County, an elderly man died after his car slid into a ditch and caught fire (indirect fatality). In Graves County, two persons were injured in a two-vehicle accident on the Purchase Parkway. The parkway was closed for about an hour. At Paducah, the U.S. 45 bridge over the Ohio River to Illinois was closed. Barkley Regional Airport at Paducah was closed for a day. Schools were closed for the remainder of the week in most counties. The 12.1 inches of snow at Paducah was the heaviest March snowstorm on record for that location. It was also the third largest snowstorm for any time of the year. This snowstorm was eclipsed only by the 14.2-inch snowstorm on Dec. 22-23 of 2004 and the 12.2-inch storm on January 16-17 of 1978. Some of the coldest air ever recorded in the month of March invaded western Kentucky the day after the snowstorm, hampering snow removal efforts. The low temperature of 6 below zero at Paducah on March 6 was the coldest reading not only for the date, but also for the month of March. In Hickman, a 60-year-old man died of hypothermia while seeking shelter after a car accident (direct fatality). The man did not sustain any injuries in the crash, which occurred while snow was falling during the night. He was wearing a thin layer of clothes. His body was found up against a business the following afternoon. Wind chills dropped as low as 8 degrees above zero on the morning of his death. Road crews stopped spreading salt because of its ineffectiveness in the cold weather. In the wake of a strong cold front that passed through on the night of the 3rd, an arctic high pressure center moved southeast into the central Plains. A deep 500 mb trough progressed slowly eastward from the Rockies across the Plains. This trough was responsible for a sustained period of moist southwest flow aloft. The relatively moist air overrunning cold air near the surface set the stage for widespread moderate to heavy snow.

MUHLENBERG COUNTY --- 1.9 NNW KNIGHTSBURG [37.24, -86.95], 2.2 S PARADISE [37.24, -86.97], CENTRAL CITY [37.30, -87.13], 2.0 E SOUTH CARROLLTON [37.34, -87.11], 3.0 N NELSON [37.37, -87.06], 2.1 NE MARTWICK [37.35, -87.00]				
	03/04/15 14:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/28/15 04:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred on the Green River. At the Paradise river gage, the river crested at 390.33 feet on the 15th. Flood stage is 380 feet. Kentucky Highways 1379 and 2590 were closed. Widespread flooding of low-lying areas around the river took place.

MCLEAN COUNTY --- ISLAND [37.45, -87.15], LIVERMORE [37.48, -87.13], 1.9 ENE CALHOUN [37.54, -87.24], CALHOUN [37.53, -87.27]				
	03/06/15 13:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/27/15 03:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred on the Green River. At the Calhoun river gage, the river crested at 29.78 feet on the 17th. Flood stage is 23 feet. Water was over Kentucky Highway 85. Thousands of acres were flooded in the Island, Rumsey, and Jewel City areas. The acreage was primarily farm fields. Since planting season was not underway when flooding began, there was little if any crop damage.

Moderate flooding occurred along the Green River. A heavy rainfall event on March 3 was followed by a major winter storm on March 4 into early March 5. Two more heavy rainfall events occurred in quick succession. On the 9th and 10th, one to two inches of rain fell, followed by two to four more inches on the 13th and 14th. The combined effect of all these rain and snow events was a prolonged flooding event on the Green River. Since the precipitation was spread out over a 10-day period, the magnitude of the flooding was

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
moderate instead of major.				
HENDERSON COUNTY --- 1.1 NW HENDERSON [37.84, -87.60], 3.4 SSE WHITE CITY [37.90, -87.56], 3.0 NW BASKETT [37.90, -87.51], 3.1 W BASKETT [37.87, -87.53]				
	03/07/15 23:00 CST	1	20K	Flood (due to Heavy Rain / Snow Melt)
	03/23/15 06:00 CST		0	Source: River/Stream Gage

Minor flooding occurred on the Ohio River. Numerous secondary roads in low-lying bottomlands were underwater. One motorist died after driving down a flooded road in a remote area adjacent to Audubon State Park. The body of the 55-year-old man was found in the water near his truck about 17 days after he went missing. A few state roads were closed near the river, including Highways 268, 811, and 136.

Direct Fatalities: M55VE

CRITTENDEN COUNTY --- FORDS FERRY [37.47, -88.08], 0.7 N CASAD [37.46, -88.17], 0.5 ESE CASAD [37.45, -88.16], 0.9 SSE FORDS FERRY [37.46, -88.08]				
	03/08/15 14:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/29/15 11:00 CST		0	Source: River/Stream Gage

Minor flooding occurred on the Ohio River. The ferry from the Kentucky shore to Cave-In-Rock, Illinois was shut down due to high water.

UNION COUNTY --- UNIONTOWN [37.77, -87.93], 2.5 WNW UNIONTOWN [37.78, -87.97], 4.7 W UNIONTOWN [37.77, -88.02], 2.9 WSW UNIONTOWN [37.75, -87.98]				
	03/08/15 14:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/29/15 11:00 CST		0	Source: River/Stream Gage

Minor flooding occurred on the Ohio River. At the Uniontown river gage, the river crested at 49.40 feet on the 20th. Flood stage is 37 feet. About eight state roads were closed, including Highways 667, 668, 1452, 1637, 871, and 1508.

DAVISS COUNTY --- 0.6 N OWENSBORO [37.78, -87.12], OWENSBORO [37.77, -87.12], 1.7 SSE GRIFFITH [37.80, -87.21], 3.2 NNE NEWMAN [37.87, -87.27], 2.3 ENE GRIFFITH [37.83, -87.18]				
	03/09/15 20:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/23/15 06:00 CST		0	Source: River/Stream Gage

Minor flooding occurred on the Ohio River. At the Owensboro river gage, the river crested at 44.9 feet on the 17th. Flood stage is 40 feet. A few state roads near the river were closed, including Highways 298 and 334.

BALLARD COUNTY --- OSCAR [37.13, -89.03], 3.6 W OSCAR [37.14, -89.10], 2.8 NNW OGDEN [37.22, -88.96], 6.8 NE INGLESIDE [37.18, -88.82]				
	03/11/15 23:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/28/15 19:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred along the Ohio River. There was considerable flooding of low-lying woods and fields in bottomland areas. This included a large part of a state wildlife management area. Some river access roads were flooded.

MCCRACKEN COUNTY --- RAGLAND [37.17, -88.90], 2.7 NNE RAGLAND [37.21, -88.88], 2.0 E ROWLANDTOWN [37.10, -88.59], 3.2 E REIDLAND [37.01, -88.47], 1.7 SE OAKS [36.96, -88.53]				
	03/11/15 23:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/28/15 19:00 CST		0	Source: River/Stream Gage

Moderate flooding occurred on the Ohio River. At the Paducah river gage, the river crested at 45.54 feet on the 17th. Flood stage is 39 feet. Mainly bottomland and surrounding low-lying areas were flooded. Floodwaters crept into some backyards along Highway 1420 west of the city. The riverfront park in downtown Paducah was partially flooded but remained open to traffic. Backwater from the Ohio River affected the lower part of the Clarks River in eastern McCracken County. This backwater caused flooding of Kentucky Highway 1255.

LIVINGSTON COUNTY --- 0.5 SW LEDBETTER [37.04, -88.49], 0.4 ENE SMITHLAND [37.13, -88.39], 3.0 W JOY [37.36, -88.43], 4.1 NNW BAYOU [37.28, -88.51]				
	03/12/15 22:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/27/15 20:00 CST		0	Source: River/Stream Gage

Minor flooding occurred on the Ohio River. At the Smithland river gage, the river crested at 45.22 feet on the 17th. Flood stage is 40 feet. Portions of Kentucky Highway 137 were closed in the Birdsville area. Agricultural land and wooded river bottomlands were flooded. Crop losses were negligible since planting was not yet underway.

Minor to moderate flooding occurred along the Ohio River. A heavy rainfall event on March 3 was followed by a major winter storm on March 4 into early March 5. Two more heavy rainfall events occurred in quick succession. On the 9th and 10th, one to two inches of rain

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	----------------------	------------------------	------------------------

fell, followed by two to four more inches on the 13th and 14th. The combined effect of all these rain and snow events was a prolonged flooding event on the Ohio River. Since the precipitation was spread out over a 10-day period, the magnitude of the flooding was generally minor to moderate instead of major.

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

03/10/15 21:00 CST	0	Dense Fog
03/11/15 04:00 CST	0	

Widespread dense fog reduced visibility to one-quarter mile or less across parts of northwest Kentucky. The most persistent dense fog was generally along and north of a line from Marion to Calhoun, including the Henderson and Owensboro areas. Weak high pressure was responsible for light winds. The light winds, combined with saturated ground from snowmelt and heavy rain, set the stage for dense fog.

(KY-Z013) CALDWELL, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

03/12/15 00:00 CST	0	Dense Fog
03/12/15 06:00 CST	0	

Widespread dense fog over the Pennyrile region of western Kentucky reduced visibility to one-quarter mile or less. A sprawling area of high pressure over the Great Lakes region produced a moist easterly wind over saturated ground.

MCCRACKEN COUNTY --- 1.8 W MASSAC [37.02, -88.71]

03/13/15 15:00 CST	0	Heavy Rain
03/13/15 21:00 CST	0	Source: Emergency Manager

Water was over a secondary road near the intersection with State Route 1322. The road was still passable. Several miles south of Lone Oak, the storm-total rainfall was 2.68 inches.

WEBSTER COUNTY --- 3.3 SSW FAIRMONT [37.40, -87.89], 3.3 SSE BLACKFORD [37.41, -87.92], 3.8 SSE BLACKFORD [37.40, -87.92], 3.9 SSW FAIRMONT [37.40, -87.89]

03/13/15 15:00 CST	0	Flood (due to Heavy Rain)
03/13/15 21:00 CST	0	Source: Broadcast Media

Flooding of the Tradewater River prompted the closure of Kentucky Highway 132 near the Crittenden County line.

CARLISLE COUNTY --- CUNNINGHAM [36.92, -88.88], 4.7 ENE CUNNINGHAM [36.95, -88.80], 4.4 E CUNNINGHAM [36.92, -88.80], 1.2 SE CUNNINGHAM [36.91, -88.86]

03/13/15 17:00 CST	0	Flood (due to Heavy Rain)
03/14/15 04:00 CST	0	Source: Department of Highways

In the northeast corner of Carlisle County, Kentucky Highway 1820 was closed due to creek flooding. Water was over Highway 1628.

Two consecutive heavy rain events, combined with snowmelt from the March 4th storm, produced some localized flooding. On the 10th and 11th, widespread showers produced average rainfall amounts around one inch, with isolated places reporting near two inches. Between the 12th and 14th, a storm system developed in east Texas and phased with an upper-level trough moving east through the upper Mississippi Valley. Widespread moderate to heavy rain produced rain totals between 2 and 4 inches.

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

03/01/15 00:00 CST	0	Winter Weather
03/01/15 12:00 CST	0	

This event continued from the last day of February. A mixed bag of wintry precipitation produced very hazardous travel conditions. The precipitation was mainly snow along and northwest of a line from Van Buren (Carter County) to Perryville (Perry County). An observer in Perryville measured 3 inches of snow, and 2 inches was measured seven miles southwest of Van Buren. Amounts tapered off toward the south and east. Along the U.S. Highway 60 corridor from Poplar Bluff to Dexter, the precipitation was mainly in the form of light sleet and freezing drizzle. Amounts were generally less than one-quarter inch. Little if any wintry precipitation occurred in the southeast corner of the state, from New Madrid to Charleston. The precipitation was caused by a surge of warmer air aloft moving north across the region. The warmer air aloft moved over a shallow layer of cold air near the surface. As the depth of cold air decreased, the precipitation changed from snow to sleet and freezing rain, then finally to liquid rain or drizzle.

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(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				
	03/04/15 07:00 CST		0	Winter Storm
	03/05/15 03:00 CST		0	

A winter storm produced 4 to 10 inches of snow across southeast Missouri. Snowfall amounts increased from north to south, ranging from 4 inches near Perryville to 10 inches at New Madrid. Rain gradually changed over to snow during the day. A few hours of sleet and freezing rain occurred during the transition from rain to snow. Up to three-quarters of an inch of sleet accumulated, followed by snow. The snow fell heavily during the evening, accumulating at the rate of an inch-and-a-half per hour and reducing visibility below one-half mile. Specific snowfall reports included: 10 inches at Portageville (New Madrid County) and East Prairie (Mississippi County), 9 inches near Dexter (Stoddard County) and Cape Girardeau, 8 inches near Poplar Bluff, and 6 inches at Wappapello (Wayne County) and Van Buren (Carter County). Only three to four inches was reported at Perryville (Perry County). During the transition to sleet and freezing rain, some thunder and lightning was observed. North winds gusted up to 25 mph, causing some drifting of the snow. Drifts were locally up to two feet deep. Numerous traffic accidents occurred. Just north of Poplar Bluff, a 10-car pileup was reported on U.S. Highway 67. Numerous vehicles slid off Interstate 55. The southbound lanes of Interstate 55 were blocked at the 105-mile marker after a tractor-trailer crashed. In Stoddard County, U.S. Highway 60 was blocked by a crash involving two tractor-trailers and a sport utility vehicle. The state highway patrol reported 32 stranded vehicles and 27 crashes even before the storm was over. Schools were closed for the remainder of the week in most counties. Some of the coldest air ever recorded in the month of March invaded southeast Missouri the day after the snowstorm, hampering snow removal efforts. The low temperature was 8 below zero at Cape Girardeau on March 6. This was the first below-zero reading in the month of March since records began there in 1960. In the wake of a strong cold front that passed through on the night of the 3rd, an arctic high pressure center moved southeast into the central Plains. A deep 500 mb trough progressed slowly eastward from the Rockies across the Plains. This trough was responsible for a sustained period of moist southwest flow aloft. The relatively moist air overrunning cold air near the surface set the stage for widespread moderate to heavy snow.

BUTLER COUNTY --- 4.0 NE LONE HILL [36.75, -90.49], 2.5 NNE LONE HILL [36.73, -90.51], 2.7 NNE LONE HILL [36.74, -90.51], 3.9 NNE LONE HILL [36.75, -90.49], 4.1 W POPLAR BLUFF [36.76, -90.47], 3.8 W POPLAR BLUFF [36.75, -90.47]				
	03/04/15 08:00 CST		0	Flood (due to Heavy Rain)
	03/04/15 11:00 CST		0	Source: Broadcast Media

A water rescue was conducted on County Road 450 along Cane Creek.

STODDARD COUNTY --- PUXICO [36.95, -90.18]				
	03/04/15 08:00 CST		0	Heavy Rain
	03/04/15 10:00 CST		0	Source: Broadcast Media

Water was over Highway T. One lane was submerged.

Widespread heavy rain fell over ground that was saturated from a combination of snowmelt and a heavy rainstorm in late February. The heavy rain was caused by a slow-moving cold front that crossed the Lower Ohio Valley during the evening of the 3rd. Ahead of a large 500 mb trough over the Rockies, very moist southwest flow aloft sustained an extensive area of moderate to heavy rain.

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z111) SCOTT				
	03/11/15 05:00 CST		0	Dense Fog
	03/11/15 09:00 CST		0	

Widespread dense fog reduced visibility to one-quarter mile or less across parts of southeast Missouri. The most persistent dense fog was generally along and north of a line from Cape Girardeau to Van Buren. Weak high pressure was responsible for light winds. The light winds, combined with saturated ground from snowmelt and heavy rain, set the stage for dense fog.

WAYNE COUNTY --- 1.3 ENE SHOOK [37.06, -90.30], 0.8 SSE MC GEE [37.07, -90.19], 2.2 SSE MC GEE [37.05, -90.18], 1.4 ESE SHOOK [37.04, -90.30]				
	03/13/15 12:15 CST		5K	Flood (due to Heavy Rain)
	03/14/15 06:00 CST		0	Source: Law Enforcement

A water rescue was conducted on County Road 505 near Shook, where a small SUV was stalled in floodwater. Emergency crews used ropes to rescue two women and two children, who were uninjured. The vehicle was stranded in about two feet of water on a low water bridge. County Road 505 was closed due to flooding in the Lost Creek area. Elsewhere, water was over Route TT in several locations in the southern part of the county.

CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53], RANGLES [37.13, -89.78]				
	03/13/15 17:00 CST		0	Heavy Rain
	03/13/15 21:00 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The storm-total rainfall at Cape Girardeau by early evening was 3.25 inches, with rain still falling. Highway P was covered by water for at least a quarter-mile stretch near Randles.</p>				
<hr/>				
CARTER COUNTY --- ELLSINORE [36.93, -90.75], 4.5 S ELLSINORE [36.87, -90.76], 5.5 ENE GRANDIN [36.85, -90.73], 2.3 SE ELLSINORE [36.90, -90.73]	03/13/15 17:00 CST		0	Flood (due to Heavy Rain)
	03/14/15 04:00 CST		0	Source: Department of Highways
<p>The storm-total rainfall was 4.32 inches at Ellsinore. Route K was closed by flooding of Ten Mile Creek.</p>				
<hr/>				
RIPLEY COUNTY --- 1.3 NNE TORCH [36.55, -90.67], 1.7 SE PURMAN [36.51, -90.73], 7.0 NW FLATWOODS [36.75, -90.79], 6.3 N FLATWOODS [36.77, -90.69]	03/13/15 17:00 CST		0	Flood (due to Heavy Rain)
	03/14/15 04:00 CST		0	Source: Department of Highways
<p>Route K was closed at Beaver Dam Creek, and Route H was closed near the Little Black River.</p>				
<hr/>				
STODDARD COUNTY --- DUDLEY [36.78, -90.10], PUXICO [36.95, -90.18], IDLEWILD [37.00, -90.10], 1.6 SW SWINTON [37.01, -89.97], 3.1 WSW BLOOMFIELD [36.88, -89.97]	03/13/15 17:00 CST		0	Flood (due to Heavy Rain)
	03/14/15 04:00 CST		0	Source: Department of Highways
<p>Route K was closed by flooding of the Castor River. Storm-total rainfall was 2.25 inches at Dudley.</p>				
<hr/>				
BUTLER COUNTY --- POPLAR BLUFF [36.75, -90.40], 1.7 S MENGO [36.77, -90.38], 2.1 NE POPLAR BLUFF [36.77, -90.37], 1.6 ESE POPLAR BLUFF [36.74, -90.38]	03/13/15 22:45 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/15/15 17:45 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the Black River. At the Poplar Bluff river gage, the river crested at 17.59 feet on the 14th. Flood stage is 16 feet. Low-lying woods and fields near the river were inundated. Hillcrest Park in Poplar Bluff was affected.</p>				
<hr/>				
WAYNE COUNTY --- 3.6 N SILVA [37.22, -90.53], 2.8 SW LODI [37.22, -90.49], 2.2 N GREENVILLE [37.16, -90.47], 1.3 SE SILVA [37.16, -90.50]	03/14/15 09:45 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/15/15 00:15 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the St. Francis River. At the river gage on Route 34 east of Patterson, the river crested at 17.21 feet on the 14th. Flood stage is 16 feet. Low-lying woods and fields near the river were inundated.</p>				
<hr/>				
BUTLER COUNTY --- 7.0 NW POPLAR BLUFF [36.82, -90.49]	03/14/15 13:15 CST		0	Heavy Rain
	03/14/15 13:15 CST		0	Source: Trained Spotter
<p>The storm-total rainfall was 4.27 inches.</p>				
<p>Two consecutive heavy rain events, combined with snowmelt from the March 4th storm, produced some localized flooding. On the 10th and 11th, widespread showers produced average rainfall amounts around one inch, with isolated places reporting near two inches. Between the 12th and 14th, a storm system developed in east Texas and phased with an upper-level trough moving east through the upper Mississippi Valley. Widespread moderate to heavy rain produced rain totals between 2 and 4 inches, with locally higher amounts in the hilly terrain of southeast Missouri.</p>				
<hr/>				
NEW MADRID COUNTY --- NEW MADRID [36.60, -89.53], 1.8 SSE NEW MADRID [36.57, -89.52], 3.3 SE NEW MADRID [36.57, -89.48], 6.4 ESE NEW MADRID [36.56, -89.43], 5.2 SW BAYOUVILLE [36.59, -89.43]	03/16/15 12:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	03/28/15 10:00 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the Mississippi River. At the New Madrid river gage, the river crested at 35.72 feet on the 22nd. Flood stage is 34 feet. Bottomland fields in the river flood plain were underwater.</p>				
<p>Minor flooding occurred along the Mississippi River below the confluence of the Ohio River. A heavy rainfall event on March 3 was followed by a major winter storm on March 4 into early March 5. Two more heavy rainfall events occurred in quick succession. On the 9th and 10th, one to two inches of rain fell, followed by two to four more inches on the 13th and 14th. The combined effect of all these rain and snow events was a rather long duration flooding event on the Mississippi River. Since the precipitation was spread out over a 10-day period, the magnitude of the flooding was generally minor instead of moderate to major.</p>				

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BOLLINGER COUNTY --- PATTON [37.50, -90.02]				
	03/24/15 15:35 CST		0	Hail (0.75 in)
	03/24/15 15:35 CST		0	Source: Emergency Manager
Dime-size hail covered the ground.				
A weak low pressure center moved northeast into the Ozark Mountains of southwest Missouri. A warm front extending eastward from this low moved north, triggering showers and thunderstorms across southeast Missouri. A few of these storms became strong, producing hail up to dime-size.				
CAPE GIRARDEAU COUNTY --- JACKSON [37.38, -89.67], 5.0 NW CAPE GIRARDEAU [37.35, -89.59]				
	03/25/15 18:30 CST		0	Hail (1.00 in)
	03/25/15 18:36 CST		0	Source: Public
Quarter-size hail was reported in the Jackson area.				
BOLLINGER COUNTY --- 2.0 S MARBLE HILL [37.27, -89.97]				
	03/25/15 20:15 CST		0	Hail (0.75 in)
	03/25/15 20:15 CST		0	Source: Public
Dime-size hail covered the ground.				
BOLLINGER COUNTY --- 2.0 S MARBLE HILL [37.27, -89.97], 3.0 N MARBLE HILL [37.34, -89.97]				
	03/25/15 20:15 CST		20K	Thunderstorm Wind (EG 56 kt)
	03/25/15 20:20 CST		0	Source: Emergency Manager
Trees and power lines were blown down in Marble Hill. Small trees were blown down elsewhere across the county.				
BOLLINGER COUNTY --- MARBLE HILL [37.30, -89.97]				
	03/25/15 20:24 CST		0	Heavy Rain
	03/25/15 20:24 CST		0	Source: Trained Spotter
A trained spotter reported a heavy downpour of rain and hail amounting to almost one inch in ten minutes.				
RIPLEY COUNTY --- 5.0 W DONIPHAN [36.62, -90.91]				
	03/25/15 20:30 CST		5K	Thunderstorm Wind (EG 52 kt)
	03/25/15 20:30 CST		0	Source: Law Enforcement
Two trees were blown down on U.S. Highway 160 West.				
CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53]				
	03/25/15 20:55 CST		0	Thunderstorm Wind (EG 52 kt)
	03/25/15 20:55 CST		0	Source: Trained Spotter
A trained spotter estimated the wind gusted to 60 mph on the west side of Cape Girardeau.				
CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53]				
	03/25/15 20:58 CST		0	Hail (0.88 in)
	03/25/15 21:02 CST		0	Source: Trained Spotter
Nickel-size hail accompanied a storm in Cape Girardeau.				
Severe thunderstorms increased during the evening hours in the vicinity of a southward moving cold front. The front settled southward through southern Illinois and southern Missouri. The atmosphere was only modestly unstable, with mixed-layer capes from 500 to 1000 j/kg. However, the storms were supported by a strengthening low level jet in association with a lead shortwave trough moving through the southern Plains. The strengthening low level jet contributed to stronger convergence and ascent, which corresponded to increasing thunderstorm development. An isolated supercell thunderstorm moved east in association with the stronger wind fields. There were some pockets of damaging wind and a narrow swath of large hail.				
CAPE GIRARDEAU COUNTY --- 5.3 SW CONRADS MILL [37.44, -89.93], 5.6 SW CONRADS MILL [37.44, -89.94], 5.7 SSW CONRADS MILL [37.43, -89.92], 5.3 SSW CONRADS MILL [37.43, -89.92]				

Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/26/15 03:00 CST		15K	Flood (due to Heavy Rain)
	03/26/15 12:00 CST		0	Source: Emergency Manager

A pickup truck was swept into Hartle's Ford Creek off County Road 352 near Millersville. The truck was swept about 200 yards down the creek. The two occupants of the truck swam to safety. There were no injuries.

Between the 24th and the 27th, several storm systems moved along a quasi-stationary frontal boundary located in and around the middle Mississippi Valley. Showers and thunderstorms produced rainfall amounts of 1 to 2 inches. This heavy rainfall was enough to raise creek levels, which were already elevated due to repeated heavy rain and snow events earlier in the month.

BUTLER COUNTY --- 2.0 ENE POPLAR BLUFF [36.76, -90.37]

03/31/15 15:12 CST	0	Hail (1.25 in)
03/31/15 15:12 CST	0	Source: Law Enforcement

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

03/31/15 15:12 CST	0	Hail (0.75 in)
03/31/15 15:12 CST	0	Source: Trained Spotter

A small cluster of intense thunderstorms developed along a cold front during the late afternoon hours. The cold front extended west-southwest from a low pressure center over the central Appalachians to southeast Missouri. Isolated large hail occurred with the strongest convective core.