

Storm Data and Unusual Weather Phenomena - February 2014

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

(IL-Z088) UNION				
	02/02/14 12:00 CST		0	Winter Weather
	02/02/14 23:00 CST		0	

(IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	02/02/14 12:00 CST		0	Heavy Snow
	02/02/14 23:45 CST		0	

From 4 to 7 inches of snow fell across parts of extreme southern Illinois, to the south of the Marion, Carbondale, and Harrisburg areas. Numerous vehicles slid off roadways as temperatures dropped and roads became treacherous. Specific accumulations included 7 inches in Rosebud (Pope County), 6 inches in the Metropolis area (Massac County), and 3 inches in Simpson (eastern Johnson County). Amounts dropped off quickly to the north, with less than an inch across much of the remainder of southern Illinois. In the wake of an arctic cold front, very cold air invaded southern Illinois from the north. A surface low pressure center moved northeast across Mississippi and Alabama, spreading precipitation well north into the cold air.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	02/04/14 11:00 CST		0	Winter Storm
	02/05/14 01:00 CST		0	

Along and south of a line from Anna through Harrisburg to Gallatin County, about one-quarter inch of ice coated trees and power lines. The precipitation started as a brief period of sleet and snow. North of that line, one to four inches of snow and sleet fell, followed by up to one-tenth inch of ice. The four-inch snowfall amounts were confined to Jefferson and Perry Counties, including the city of Mount Vernon. The precipitation type was mainly snow along and north of Interstate 64. The snow fell heavily for a few hours from Mount Carmel to Mount Vernon. In the Mount Vernon area, a trained spotter measured 2.5 inches in two hours. Roads were slick and hazardous across southern Illinois. In Johnson County, Interstate 24 was closed in both directions due to an overturned semi near mile marker 3. A vigorous fast-moving Pacific storm system that originated off the Baja of California raced northeast. A strong warm front moved as far north as the Tennessee Valley. Widespread heavy precipitation north of the warm front resulted in significant icing across extreme southern Illinois, and mainly snow along the Interstate 64 corridor.

GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 2.2 SW SHAWNEETOWN [37.68, -88.15], 2.0 SSW SHAWNEETOWN [37.67, -88.15], 0.3 SE SHAWNEETOWN [37.70, -88.13]				
	02/09/14 14:00 CST		1K	Flood (due to Heavy Rain)
	02/12/14 08:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Some low-lying fields and woodlands were inundated, along with a boat ramp.

The Ohio River rose a little over flood stage about mid-month. There were no heavy rain events that caused a sudden rise. Instead, the river rose slowly due to a combination of rainfall and snowmelt.

(IL-Z084) JACKSON				
	02/13/14 00:00 CST	1	0	Cold/Wind Chill
	02/13/14 07:00 CST		0	

Direct Fatalities: M19OU

Very cold temperatures resulted in a fatality. During the early morning hours, a 19-year-old college student apparently died of hypothermia after spending the night in the woods. The student fled into the woods during an altercation with another person. He may have then become lost or disoriented in the woods. He was not wearing a coat or other clothing appropriate for the cold weather. The low temperature was 13 degrees at the Carbondale airport. Winds were nearly calm all night. A surface high pressure ridge was situated over the Lower Ohio Valley and southern Illinois. Clear skies and light winds allowed temperatures to fall through the teens.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH				
	02/14/14 11:00 CST		0	Winter Weather
	02/14/14 18:00 CST		0	

An inch or two of snow fell along and north of Interstate 64, from Mount Vernon to Mount Carmel. Trained spotters reported 1.5 inches

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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at Mount Vernon and 1.5 inches about four miles west-northwest of Mount Carmel. The snow fell heavily for a short time, reducing visibility to one-quarter mile. Roads became slick and hazardous. The band of heavy snow was associated with a frontal zone that extended east from a surface low pressure center near St. Louis. The low tracked east across southern Illinois, placing the band of heaviest snow along and north of Interstate 64.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC	02/20/14 12:00 CST		19K	Strong Wind (MAX 47 kt)
	02/20/14 21:00 CST		0	

Ahead of a cold front, strong southwest winds gusted to around 45 mph over all of southern Illinois during the afternoon hours. Isolated higher gusts to near 55 mph were recorded. Winds shifted into the west behind the front, with gusts still reaching 45 mph at times in the evening. Isolated gusts continued to reach near 55 mph. The peak wind gust at the Metropolis airport was 54 mph, which occurred behind the front. The Carbondale airport recorded a peak gust of 53 mph ahead of the front. Other peak wind gusts at airport sites were around 45 mph.

JACKSON COUNTY --- 3.1 WNW ETHERTON [37.70, -89.37], 2.9 WNW ETHERTON [37.70, -89.37]	02/20/14 16:40 CST		10K	Tornado (EF1, L: 0.39 mi , W: 50 yd)
	02/20/14 16:41 CST		0	Source: NWS Storm Survey

Trees were snapped, and there was siding and soffit damage to a home. Tree tops were damaged along the path. Maximum winds were estimated near 95 mph. The damage area was in the Shawnee National Forest a few miles east of the Big Muddy River.

JACKSON COUNTY --- CARBONDALE [37.72, -89.22], 1.5 SSW CARBONDALE [37.70, -89.23]	02/20/14 16:45 CST		7K	Thunderstorm Wind (MG 52 kt)
	02/20/14 16:53 CST		0	Source: Trained Spotter

In Carbondale, a trained spotter measured a wind gust to 60 mph. Two six-foot sections of a fence were blown down. The awning on a second home detached from the building. Near the Carbondale Reservoir, tree limbs were blown down at scattered locations.

JACKSON COUNTY --- CARBONDALE [37.72, -89.22]	02/20/14 16:50 CST		0	Hail (1.00 in)
	02/20/14 16:50 CST		0	Source: Trained Spotter

WILLIAMSON COUNTY --- 2.0 N COLP [37.83, -89.08], CARTERVILLE [37.75, -89.08]	02/20/14 16:59 CST		15K	Thunderstorm Wind (EG 61 kt)
	02/20/14 17:00 CST		0	Source: Emergency Manager

A power pole snapped in Herrin, and another pole snapped two miles north of Colp. Tree limbs were blown down along Highway 13 near Carterville.

ALEXANDER COUNTY --- EAST CAPE GIRARDEAU [37.29, -89.48]	02/20/14 17:01 CST		0	Thunderstorm Wind (MG 51 kt)
	02/20/14 17:01 CST		0	Source: Department of Highways

A wind gust to 59 mph was measured by a weather station operated by the Illinois state Department of Transportation.

FRANKLIN COUNTY --- WEST FRANKFORT [37.90, -88.92], 2.0 E WEST FRANKFORT [37.90, -88.88]	02/20/14 17:10 CST		0	Hail (1.00 in)
	02/20/14 17:15 CST		0	Source: Law Enforcement

WILLIAMSON COUNTY --- JOHNSTON CITY [37.82, -88.93]	02/20/14 17:16 CST		0	Funnel Cloud
	02/20/14 17:16 CST		0	Source: Trained Spotter

A trained spotter reported a funnel cloud just northeast of town.

JACKSON COUNTY --- MURPHYSBORO [37.77, -89.33], (MDH)CRBNDL/MRFYSBRO [37.78, -89.25]	02/20/14 17:20 CST		10K	Thunderstorm Wind (MG 52 kt)
	02/20/14 17:33 CST		0	Source: ASOS

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Wind equipment at the automated observing site at the Carbondale airport measured a gust to 60 mph. In Murphysboro, a power pole was snapped, with lines laying across a home.

HAMILTON COUNTY --- 1.0 S MC LEANSBORO [38.09, -88.53]

02/20/14 17:35 CST			0.10M	Hail (1.00 in)
02/20/14 17:35 CST			0	Source: Social Media

Some homes on the south side of Mcleansboro had damage from wind-blown hail. Holes were poked in shutters and siding.

WHITE COUNTY --- 0.7 N BURNT PRAIRIE [38.26, -88.27]

02/20/14 17:52 CST			20K	Thunderstorm Wind (EG 56 kt)
02/20/14 17:52 CST			0	Source: Law Enforcement

A tractor-trailer rig was overturned along Interstate 64.

WHITE COUNTY --- SPRINGERTON [38.18, -88.35]

02/20/14 17:54 CST			0	Funnel Cloud
02/20/14 17:54 CST			0	Source: Trained Spotter

A trained spotter reported a funnel cloud heading toward Springerton.

WHITE COUNTY --- SPRINGERTON [38.18, -88.35]

02/20/14 17:55 CST			0	Hail (1.00 in)
02/20/14 17:55 CST			0	Source: Public

WHITE COUNTY --- 2.4 NNE CALVIN [38.23, -88.01]

02/20/14 18:05 CST			15K	Thunderstorm Wind (EG 56 kt)
02/20/14 18:05 CST			0	Source: Law Enforcement

A semi was overturned along Interstate 64.

SALINE COUNTY --- HARRISBURG [37.73, -88.55]

02/20/14 18:11 CST			10K	Thunderstorm Wind (EG 52 kt)
02/20/14 18:11 CST			0	Source: Public

A power pole was blown down.

WABASH COUNTY --- BELLMONT [38.38, -87.92]

02/20/14 18:17 CST			0	Funnel Cloud
02/20/14 18:17 CST			0	Source: Trained Spotter

A trained spotter reported a funnel cloud heading toward Belmont.

GALLATIN COUNTY --- 3.0 N EQUALITY [37.77, -88.33]

02/20/14 18:25 CST			3K	Thunderstorm Wind (EG 56 kt)
02/20/14 18:25 CST			0	Source: Public

A carport was blown into a roadway.

WHITE COUNTY --- CARMi [38.08, -88.17]

02/20/14 18:30 CST			9K	Thunderstorm Wind (MG 51 kt)
02/20/14 18:30 CST			0	Source: Trained Spotter

Numerous tree limbs were blown down. A flag pole was snapped. The peak wind gust was measured at 59 mph at the Carmi airport.

Thunderstorms organized into line segments and isolated supercells as a cold front moved east from Missouri. The storms strengthened within a corridor of weak to moderate instability just ahead of the eastward-moving cold front. The combination of instability, moisture, and wind shear resulted in a few funnel clouds and/or tornadoes. The isolated tornadoes occurred in the region of strongest wind shear north of a line from Anna to Vienna. Scattered to numerous reports of damaging winds over 60 mph accompanied the storms, mainly north of a line from Anna to Vienna. Isolated large hail accompanied the strongest storm cells.

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 1.1 SW SHAWNEETOWN [37.69, -88.14], 1.1 SSW SHAWNEETOWN [37.69, -88.14], 0.3 SE SHAWNEETOWN [37.70, -88.13]				
	02/24/14 13:15 CST		0	Flood (due to Heavy Rain / Snow Melt)
	02/28/14 23:59 CST		0	Source: River/Stream Gage
Minor flooding occurred along the Ohio River. Some low-lying fields and woodlands near the river were inundated. The flooding continued into March.				

WABASH COUNTY --- 2.1 NE MT CARMEL [38.44, -87.74], 2.3 NE MT CARMEL [38.44, -87.74], 1.4 ESE MT CARMEL [38.41, -87.75], 1.0 ESE MT CARMEL [38.42, -87.75]				
	02/25/14 12:00 CST		2K	Flood (due to Heavy Rain / Snow Melt)
	02/28/14 23:59 CST		0	Source: River/Stream Gage
Minor flooding occurred along the Wabash River. A Mt. Carmel city street that parallels the river was closed. A local restaurant along the river also was closed. Several local river roads 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. The flooding continued into March.				

WHITE COUNTY --- 2.0 E MAUNIE [38.03, -88.01], 0.3 ENE RISING SUN [38.00, -88.03], 0.2 NNW RISING SUN [38.00, -88.03], 0.7 E MAUNIE [38.03, -88.04]				
	02/25/14 20:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	02/28/14 23:59 CST		0	Source: River/Stream Gage
Minor flooding occurred along the Wabash River. Some low-lying woods and fields near the river were underwater. The flooding continued into March.				

Minor river flooding occurred in response to a combination of snowmelt and heavy rain. A warm front lifted north, helping temperatures reach near 70 degrees by the 20th. Ice and snowmelt ran off into the rivers. This runoff, combined with heavy showers and thunderstorms ahead of a cold front, caused rises in the rivers.

INDIANA, Southwest

(IN-Z088) SPENCER				
	02/02/14 14:00 CST		0	Heavy Snow
	02/03/14 01:00 CST		0	

Around four inches of snow fell across Spencer County, with the highest totals along the Ohio River near Rockport. About 4.5 inches was reported in Rockport. Snowfall totals dropped off rapidly to the north and west, with little more than a trace in Evansville. In the wake of an arctic cold front, very cold air invaded southwest Indiana from the north. A surface low pressure center moved northeast across Mississippi and Alabama, spreading precipitation well north into the cold air.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	02/04/14 13:00 CST		0.18M	Winter Storm
	02/05/14 04:00 CST		0	

About one-quarter inch of ice coated trees and power lines from Evansville eastward across Warrick and Spencer Counties. The freezing rain began as a period of heavy snow and sleet, which accumulated from one to two inches across that area. Trees and power lines sagged due to ice, and isolated power outages occurred. About 2,500 utility customers were without power in Evansville. North and west of Evansville, about two inches of sleet and snow fell, along with ice accumulations less than one-tenth inch. Roads across southwest Indiana were slick and hazardous. A vigorous fast-moving Pacific storm system that originated off the Baja of California raced northeast. A strong warm front moved as far north as the Tennessee Valley. Widespread heavy precipitation north of the warm front resulted in significant icing across most of the Ohio River counties, and a mixture of sleet, snow, and ice along the Interstate 64 corridor.

WARRICK COUNTY --- 2.4 ESE NEWBURGH [37.94, -87.38], 2.4 ESE NEWBURGH [37.93, -87.38], 1.1 SE NEWBURGH [37.94, -87.40], 1.3 ESE NEWBURGH [37.94, -87.40]				
	02/08/14 06:30 CST		0	Flood (due to Heavy Rain)
	02/11/14 06:00 CST		0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Some low-lying woods and fields near the river were inundated.

The Ohio River rose a little over flood stage about mid-month. There were no heavy rain events that caused a sudden rise. Instead, the river rose slowly due to a combination of rainfall and snowmelt.

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

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/20/14 18:00 CST		6K	Strong Wind (MAX 43 kt)
	02/20/14 22:00 CST		0	

Immediately ahead of a cold front, strong southwest winds gusted to around 45 mph during the early evening hours. Winds shifted into the west behind the front, with gusts reaching 45 to 50 mph at times through the evening. The peak wind gust at the Evansville airport was 49 mph, which occurred behind the front.

SPENCER COUNTY --- SANTA CLAUS [38.12, -86.90]

02/20/14 19:40 CST	30K	Thunderstorm Wind (EG 61 kt)
02/20/14 19:40 CST	0	Source: Law Enforcement

A fence and an outdoor building were blown over. Several trees and power lines were down.

Short lines of thunderstorms moved east ahead of a cold front over southern Illinois. The storms strengthened within a corridor of weak to moderate instability just ahead of the eastward-moving cold front. The combination of instability and moisture was sufficient for isolated strong to damaging wind gusts in the strongest cells.

PIKE COUNTY --- 0.9 NW PETERSBURG [38.51, -87.29], 2.2 NE PETERSBURG [38.53, -87.26], 2.0 NE PETERSBURG [38.52, -87.25], 0.6 N PETERSBURG [38.51, -87.28]

02/22/14 18:00 EST	0	Flood (due to Heavy Rain / Snow Melt)
02/28/14 23:59 EST	0	Source: River/Stream Gage

Minor flooding occurred along the White River. Bottomland woods and fields were underwater. Several county roads were flooded. The flooding continued into March.

GIBSON COUNTY --- 1.7 W GIRO [38.50, -87.50], 1.8 WSW GIRO [38.49, -87.50], 1.1 NNW HAZLETON [38.49, -87.54], 1.3 N HAZLETON [38.50, -87.53], 1.7 NNE HAZLETON [38.50, -87.52]

02/23/14 07:00 CST	2K	Flood (due to Heavy Rain / Snow Melt)
02/28/14 23:59 CST	0	Source: River/Stream Gage

Minor flooding occurred along the White River. Many low-lying woods and fields were underwater. Some river cabins were affected. A couple of Hazleton city streets were flooded, along with at least one rural county road. Low-lying oil fields were inundated. Flood gates were installed at Hazleton. Floodwaters covered the Hazleton softball field. The flooding continued into March.

WARRICK COUNTY --- 2.0 ESE NEWBURGH [37.93, -87.39], 3.0 SW DAYVILLE [37.92, -87.36], 2.5 SW DAYVILLE [37.92, -87.35], 2.4 ESE NEWBURGH [37.94, -87.38]

02/23/14 19:45 CST	0	Flood (due to Heavy Rain / Snow Melt)
02/28/14 23:59 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying fields and woodlands near the river were inundated. The flooding continued into March.

POSEY COUNTY --- 0.6 SW MT VERNON [37.92, -87.91], 0.2 NNE HOVEY [37.90, -87.93], 0.4 ENE HOVEY [37.90, -87.92], 0.7 SSW MT VERNON [37.92, -87.91]

02/24/14 18:30 CST	0	Flood (due to Heavy Rain / Snow Melt)
02/28/14 23:59 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying fields and woodlands near the river were inundated. The flooding continued into March.

GIBSON COUNTY --- 1.1 NW EAST MT CARMEL [38.41, -87.74], 1.3 W EAST MT CARMEL [38.40, -87.75], 1.0 WSW EAST MT CARMEL [38.40, -87.75], 0.9 NNW EAST MT CARMEL [38.41, -87.74]

02/25/14 12:00 CST	2K	Flood (due to Heavy Rain / Snow Melt)
02/28/14 23:59 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Wabash River. Flood waters began to affect residents of East Mt. Carmel, Indiana. 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. The flooding continued into March.

POSEY COUNTY --- 0.8 WSW NEW HARMONY [38.13, -87.94], 2.3 SW NEW HARMONY [38.10, -87.96], 2.1 SSW NEW HARMONY [38.10, -87.95], 0.6 SW NEW HARMONY [38.12, -87.94]

02/25/14 20:00 CST	0	Flood (due to Heavy Rain / Snow Melt)
02/28/14 23:59 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Wabash River. Low-lying fields and woodlands near the river were flooded. The flooding continued into March.

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Minor river flooding occurred in response to a combination of snowmelt and heavy rain. A warm front lifted north, helping temperatures reach near 70 degrees by the 20th. Ice and snowmelt ran off into the rivers. This runoff, combined with heavy showers and thunderstorms ahead of a cold front, caused rises in the rivers.

KENTUCKY, Southwest

(KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN	02/02/14 12:00 CST	0	0	Winter Storm
	02/03/14 01:00 CST	0	0	

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z006) GRAVES, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z017) CHRISTIAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD	02/02/14 14:00 CST	0	0	Winter Weather
	02/03/14 04:00 CST	0	0	

From 3 to 6 inches of snow fell across parts of western Kentucky, generally along and north of a line from Paducah to Madisonville. The snow was mixed with sleet at times. To the south of that line, freezing rain produced from one-tenth to one-quarter inch of glaze, followed by up to two inches of snow and sleet. Numerous vehicles crashed or slid off roadways as temperatures dropped and roads became treacherous. The ferry across the Mississippi River between Hickman, KY and Dorena, MO was closed due to icy conditions. Specific accumulations included 6 inches in Paducah (McCracken County) and Providence (Webster County), 5 inches in Smithland (Livingston County) and Wickliffe (Ballard County), 4 inches in Owensboro (Davies County) and Bardwell (Carlisle County), 3.5 inches in Henderson (Henderson County), and 3 inches in Calvert City (Marshall County). In the wake of an arctic cold front, very cold air invaded western Kentucky from the north. A surface low pressure center moved northeast across Mississippi and Alabama, spreading precipitation well north into the cold air. The precipitation fell mainly as snow and sleet in the deeper cold air, while freezing rain was the dominant precipitation type in the shallow cold air near the Tennessee border.

(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	02/04/14 12:00 CST	0.42M	0	Winter Storm
	02/05/14 04:00 CST	0	0	

One-quarter to one-half inch of ice coated trees and power lines across western Kentucky. The highest accumulations of ice were from the Murray area, northeast across Kentucky Lake, to Madisonville and Calhoun. The freezing rain started as a period of heavy snow and sleet in some areas, mainly from Paducah to Madisonville and points north. Up to an inch of snow and sleet accumulated in the Henderson and Owensboro areas. Scattered power outages were reported across western Kentucky. In the Pennyriple area east of Kentucky Lake, a utility company reported 2,000 customers without power. Some tree branches were brought down by the ice. Roads started off very slick with numerous accidents, but they became mainly wet as temperatures rose into the lower 30's. In Calloway County, three accidents were reported in 20 minutes. The bridge carrying U.S. Highway 45 across the Ohio River between Paducah and Brookport was closed due to ice on the metal bridge deck. In Marshall County, downed power lines blocked the intersection of Highways 641 and 58. A vigorous fast-moving Pacific storm system that originated off the Baja of California raced northeast. A strong warm front moved as far north as the Tennessee Valley. Widespread heavy precipitation north of the warm front resulted in significant icing across western Kentucky, along with some minor accumulations of sleet and snow.

TODD COUNTY --- 0.8 SW GUTHRIE [36.64, -87.18], 1.2 ESE GUTHRIE [36.64, -87.15], 1.1 ENE GUTHRIE [36.65, -87.15], 0.6 NW GUTHRIE [36.66, -87.18]	02/04/14 20:00 CST	0	0	Flood (due to Heavy Rain)
	02/05/14 02:00 CST	0	0	Source: Law Enforcement

Many streets were flooded in and around the community of Guthrie.

CHRISTIAN COUNTY --- 0.4 SE HOPKINSVILLE [36.85, -87.48], 0.8 NE HOPKINSVILLE [36.86, -87.47], 3.1 SW HONEY GROVE [36.85, -87.34], 3.6 SW HONEY GROVE [36.84, -87.35]	02/04/14 21:00 CST	0	0	Flood (due to Heavy Rain)
	02/05/14 05:00 CST	0	0	Source: River/Stream Gage

Minor flooding occurred along the Little River. Low-lying fields and woodlands near the river were inundated.

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MUHLBERG COUNTY --- PARADISE [37.27, -86.98], 0.6 SW PARADISE [37.26, -86.99], 1.4 SSE PARADISE [37.25, -86.97], 1.0 SE PARADISE [37.26, -86.97]				
	02/05/14 08:45 CST		1K	Flood (due to Heavy Rain)
	02/12/14 10:45 CST		0	Source: River/Stream Gage
Moderate flooding occurred along the Green River near Paradise. There was considerable flooding of fields and woodlands near the river. At the Paradise river gage, the river crested at 387.67 feet early on the 9th. Flood stage there is 380 feet.				
MCLEAN COUNTY --- CALHOUN [37.53, -87.27], 1.0 WSW CALHOUN [37.53, -87.29], 0.7 W RUMSEY [37.52, -87.28], 0.4 ESE CALHOUN [37.53, -87.26]				
	02/08/14 22:00 CST		0	Flood (due to Heavy Rain)
	02/11/14 10:00 CST		0	Source: River/Stream Gage
Minor flooding occurred along the Green River. Some low-lying fields and woodlands near the river were underwater.				
Freezing rain changed to moderate to heavy rain over the southern Pennyrile region of western Kentucky. This heavy rain fell over ice and snow cover from the previous few days. Minor to moderate flooding occurred along the Green and Little Rivers in western Kentucky. Some road flooding occurred in Todd County.				
HENDERSON COUNTY --- 3.3 SSE WHITE CITY [37.91, -87.56], 2.7 SSE WHITE CITY [37.92, -87.55], 4.0 SE WHITE CITY [37.91, -87.53], 4.0 NW BASKETT [37.91, -87.53]				
	02/08/14 06:00 CST		10K	Flood (due to Heavy Rain)
	02/11/14 06:00 CST		0	Source: Broadcast Media
Minor flooding occurred along the Ohio River. Near a horse-racing track along the Ohio River near Henderson, a couple drove their vehicle into floodwaters. Their vehicle became stranded along the access road. Emergency crews rescued them from the top of their vehicle and transported them to a local hospital to be checked out.				
The Ohio River rose a little over flood stage about mid-month. There were no heavy rain events that caused a sudden rise. Instead, the river rose slowly due to a combination of rainfall and snowmelt.				
CHRISTIAN COUNTY --- 2.2 SW OAK GROVE [36.65, -87.46]				
	02/20/14 16:50 CST		20K	Thunderstorm Wind (EG 65 kt)
	02/20/14 16:50 CST		0	Source: Trained Spotter
The roof was blown off a barn. There was roof damage to a building.				
CHRISTIAN COUNTY --- PEMBROKE [36.78, -87.35]				
	02/20/14 17:05 CST		50K	Thunderstorm Wind (EG 65 kt)
	02/20/14 17:05 CST		0	Source: Trained Spotter
Three utility poles were broken, and shingles were missing from a roof.				
TODD COUNTY --- ALLEGRE [36.93, -87.22]				
	02/20/14 17:10 CST		40K	Thunderstorm Wind (EG 65 kt)
	02/20/14 17:10 CST		0	Source: Trained Spotter
A tree was blown down and landed on a parked vehicle. There was roof damage to a home.				
WEBSTER COUNTY --- 1.5 W WHEATCROFT [37.48, -87.90], 5.0 N CLAY [37.55, -87.83]				
	02/20/14 18:42 CST		30K	Tornado (EF0, L: 6.22 mi , W: 125 yd)
	02/20/14 18:50 CST		0	Source: NWS Storm Survey
Several small trees and tree limbs were broken. There was minor roof damage to one barn. Peak winds were estimated near 75 mph.				
CALDWELL COUNTY --- CLAXTON [37.10, -87.75], 1.6 NE CLAXTON [37.12, -87.73]				
	02/20/14 19:12 CST		8K	Tornado (EF0, L: 1.59 mi , W: 125 yd)
	02/20/14 19:14 CST		0	Source: NWS Storm Survey
Several small trees and tree limbs were broken. Peak winds were estimated near 70 mph.				
Thunderstorms organized into short lines and isolated supercells as a cold front approached from Missouri. The storms strengthened within a corridor of weak to moderate instability just ahead of the eastward-moving cold front. The combination of instability, moisture, and wind shear resulted in isolated wind damage and a couple of tornadoes. The isolated tornadoes occurred in the region of strongest wind shear north and east of Kentucky Lake.				

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(KY-Z010) CRITTENDEN, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN				
	02/20/14 17:00 CST		6K	Strong Wind (MAX 49 kt)
	02/20/14 22:00 CST		0	

Strong winds accompanied a cold front across northwest Kentucky, mainly along and north of a line from Marion to Calhoun. Immediately ahead of the cold front, strong southwest winds gusted as high as 55 mph during the early evening hours. Winds shifted into the west behind the front, with gusts reaching 45 to 50 mph at times through the evening. The highest measured wind gust outside of thunderstorms was 56 mph at the mesonet site near Marion in Crittenden County. The mesonet site near Calhoun recorded a peak gust of 49 mph ahead of the front. The peak gust at the Henderson City-County Airport was 49 mph, which occurred behind the front.

UNION COUNTY --- 0.6 NW UNIONTOWN [37.78, -87.94], 3.1 NNE UNIONTOWN [37.81, -87.90], 3.2 NE UNIONTOWN [37.81, -87.89], 0.9 NNE UNIONTOWN [37.78, -87.92]

02/25/14 16:30 CST	0	Flood (due to Heavy Rain / Snow Melt)
02/28/14 23:59 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying woods and fields near the river were underwater. The flooding continued into early March.

Minor river flooding occurred in response to a combination of snowmelt and heavy rain. A warm front lifted north, helping temperatures reach near 70 degrees by the 20th. Ice and snowmelt ran off into the river. This runoff, combined with heavy showers and thunderstorms ahead of a cold front, caused a rise in the river.

MISSOURI, Southeast

(MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER				
	02/02/14 10:00 CST		0	Winter Weather
	02/02/14 23:00 CST		0	
(MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	02/02/14 10:00 CST		0	Winter Storm
	02/02/14 23:00 CST		0	

From 4 to 6 inches of snow fell across parts of southeast Missouri, generally along and south of a line from Poplar Bluff to Dexter to central Scott County. To the north of that line, 1 to 3 inches of snow fell as far north as Marble Hill and Jackson. The snow was mixed with some sleet in all of the affected areas. Numerous vehicles slid off roadways as temperatures dropped and roads became treacherous. Specific accumulations included 6 inches in Dudley (western Stoddard County), 5 inches in Bernie (southern Stoddard County) and Charleston (Mississippi County), and 4 inches in Poplar Bluff. In the wake of an arctic cold front, very cold air invaded southeast Missouri from the north. A surface low pressure center moved northeast across Mississippi and Alabama, spreading precipitation well north into the cold air.

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	02/04/14 10:00 CST		0	Winter Storm
	02/04/14 20:00 CST		0	

South of a line from Poplar Bluff to Cape Girardeau, about one-quarter inch of ice coated trees and power lines. There was also up to an inch of sleet and snow at the onset of precipitation. Along and to the north of that line, snow and sleet accumulated from one to three inches, followed by less than one-quarter inch of ice. The snow fell heavily for a brief period of time, reducing visibility to one-quarter to one-half mile. Roads were reported to be slick and hazardous. Numerous accidents were reported, including several on Highway 25 in Stoddard County. A vigorous fast-moving Pacific storm system that originated off the Baja of California raced northeast. A strong warm front moved as far north as Arkansas. Widespread heavy precipitation north of the warm front resulted in significant icing across extreme southeast Missouri, and mainly snow and sleet north and west of Cape Girardeau.

(MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER				
	02/10/14 06:00 CST		0	Winter Weather
	02/10/14 11:00 CST		0	

An inch or two of snow fell in the Ozark foothills. A narrow band of snow traversed the region ahead of a mid-level disturbance. Specific snowfall amounts included 2 inches in Ellsinore (eastern Carter County), 1.5 inches seven miles northwest of Poplar Bluff, and 1 inch two miles east of Poplar Bluff.

Storm Data and Unusual Weather Phenomena - February 2014

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				
	02/20/14 12:00 CST		11K	Strong Wind (MAX 45 kt)
	02/20/14 21:00 CST		0	

Ahead of a cold front, strong southwest winds gusted to around 50 mph over all of southeast Missouri during the afternoon hours. Winds shifted into the west behind the front, with gusts still reaching 45 mph at times. The peak wind gust at the Cape Girardeau airport was 52 mph. The Poplar Bluff airport measured a peak wind gust of 46 mph.

CARTER COUNTY --- 4.2 WSW HUNTER [36.87, -90.92], 0.7 ESE CHILTON [36.93, -90.91]				
	02/20/14 14:50 CST		50K	Thunderstorm Wind (EG 65 kt)
	02/20/14 14:50 CST		0	Source: Park/Forest Service

Numerous trees were blown down throughout the Current River Valley in the Ozark National Scenic Riverways. Some trees were blocking access roads.

RIPLEY COUNTY --- 5.0 E DONIPHAN [36.62, -90.73]				
	02/20/14 15:35 CST		0	Hail (0.88 in)
	02/20/14 15:35 CST		0	Source: Public

CAPE GIRARDEAU COUNTY --- 1.8 WSW OAK RIDGE [37.49, -89.76]				
	02/20/14 16:10 CST		10K	Thunderstorm Wind (EG 56 kt)
	02/20/14 16:10 CST		0	Source: Emergency Manager

A carport was destroyed. The carport was pulled out of the ground and moved about 30 feet, where it stopped against another building.

BOLLINGER COUNTY --- 5.0 S MARBLE HILL [37.23, -89.97]				
	02/20/14 16:23 CST		0	Hail (1.00 in)
	02/20/14 16:23 CST		0	Source: Emergency Manager

CAPE GIRARDEAU COUNTY --- JACKSON [37.38, -89.67]				
	02/20/14 16:52 CST		0	Hail (0.75 in)
	02/20/14 16:52 CST		0	Source: Trained Spotter

Thunderstorms organized into short lines as a cold front approached from the Ozarks. The storms strengthened within a corridor of weak to moderate instability just ahead of the eastward-moving cold front. The combination of instability, moisture, and wind shear resulted in a few storms with large hail and damaging winds.