

Storm Data and Unusual Weather Phenomena - December 2008

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

ILLINOIS, South

(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

12/14/08 10:00 CST		9K	Strong Wind (MAX 42 kt)
12/14/08 16:00 CST		0	

Strong south winds ahead of a developing low pressure system gusted to between 45 and 50 mph. The strong winds were from Carbondale to the Wabash Valley, including the Interstate 64 corridor.

(IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

12/15/08 13:00 CST		0	Winter Storm
12/16/08 08:00 CST		0	

The first winter storm of the season brought widespread sleet and freezing rain to extreme southern Illinois. South of a line from Carbondale to Harrisburg, up to one quarter inch of ice coated roadways during the evening commute. Numerous accidents and slide-offs occurred. A strong cold front ushered much colder air into the region. A weak low pressure system then moved northeast along the front, causing the widespread sleet and freezing rain.

(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

12/16/08 12:00 CST		0	Winter Weather
12/17/08 06:00 CST		0	

Areas of light freezing drizzle caused roads to become very icy. Multiple vehicle accidents were reported. Highway 13, which runs from Murphysboro to Harrisburg, was littered with accidents, slowing traffic to a crawl. A pickup truck and horse trailer rolled over on Interstate 57 northbound near the West Frankfort interchange. Only minor injuries not requiring hospital treatment were reported. Near Mount Carmel, there were numerous accidents, including a rollover accident with an injury. An accident with injuries also occurred near Golden Gate in Wayne County. Interstate 64 was shut down at the Indiana state line due to dangerous conditions in Indiana. Secondary roads were extremely hazardous into the 17th. Schools were cancelled in many counties, including White, Gallatin, Saline, Hamilton, Wayne, Edwards, and Wabash. The wintry precipitation was caused by a weak surface trough of low pressure combined with a moist southwest flow aloft.

(IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

12/18/08 01:00 CST		0	Winter Weather
12/18/08 08:00 CST		0	

Areas of light freezing rain and freezing drizzle caused slick spots on roadways. Bridges and overpasses were the most affected surfaces. Traffic accidents were not as numerous as during the winter event the previous day. Areas of dense freezing fog contributed to the light icing. Surface high pressure over the southern Great Lakes region provided a cold low level northeast wind flow. At the same time, milder southwest winds just above the surface were overrunning 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

12/18/08 23:00 CST		0	Dense Fog
12/19/08 03:00 CST		0	

Widespread dense fog reduced visibility to one-quarter mile or less. The dense fog occurred along and just ahead of a warm front. Light east to southeast winds brought moist air over cold, icy ground.

(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-Z094) MASSAC

12/19/08 09:00 CST		15K	Strong Wind (MAX 39 kt)
12/19/08 13:00 CST		0	

Strong southwest winds in advance of a cold front were sustained from 30 to 35 mph for a few hours. Peak wind gusts were from 40 to 50 mph. In Harrisburg, wind gusts estimated near 50 mph blew vinyl shutters off a house. Small tree limbs were blown down.

(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON,

Storm Data and Unusual Weather Phenomena - December 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(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				
	12/23/08 05:00 CST		0	Winter Weather
	12/23/08 13:00 CST		0	
<p>Widespread freezing rain coated surfaces with up to one-tenth inch of ice. Due to very cold antecedent conditions, pavement temperatures were low enough that the initial drops of precipitation immediately created hazardous conditions. A southerly flow of warmer air around high pressure over the Carolina coast overspread a shallow layer of cold air near the surface. The result was widespread icing. The freezing rain occurred during the morning commute, causing a rash of traffic accidents and school closings.</p>				
(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-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI				
	12/26/08 08:30 CST		0	Dense Fog
	12/26/08 14:00 CST		0	
<p>Dense fog blanketed much of southern Illinois as milder south winds blew over cold, frozen ground. Visibility was reduced to one-quarter mile or less.</p>				
(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				
	12/27/08 11:00 CST		19K	Strong Wind (MAX 44 kt)
	12/27/08 18:00 CST		0	
<p>Strong southerly winds developed ahead of a strong cold front moving east across Missouri. Winds at 2,000 feet were averaging near 60 mph. Enough daytime heating occurred to bring down some of this wind in the afternoon. Gusts at the surface ranged from 45 to 50 mph. The highest reported wind gust was 51 mph at the Carbondale airport's automated observing station.</p>				
JACKSON COUNTY --- MURPHYSBORO [37.77, -89.33]				
	12/27/08 17:25 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	12/27/08 17:25 CST		0	Source: Emergency Manager
<p>Utility poles and numerous trees were down in and around the city. At least one tree fell on a vehicle with persons inside. At least one other vehicle was damaged by a falling tree.</p>				
JEFFERSON COUNTY --- MT VERNON [38.32, -88.90]				
	12/27/08 17:48 CST		10K	Thunderstorm Wind (EG 52 kt)
	12/27/08 17:48 CST		0	Source: Law Enforcement
<p>Some trees were down on the north side of the city.</p>				
WILLIAMSON COUNTY --- JOHNSTON CITY [37.82, -88.93], 0.4 WSW MARION [37.73, -88.94]				
	12/27/08 18:00 CST		10K	Thunderstorm Wind (EG 52 kt)
	12/27/08 18:15 CST		0	Source: Newspaper
<p>Numerous trees and power lines were blown down. About 1,500 customers lost power.</p>				
HAMILTON COUNTY --- 4.0 N MC LEANSBORO [38.16, -88.53], 4.0 S MC LEANSBORO [38.04, -88.53]				
	12/27/08 18:30 CST		10K	Thunderstorm Wind (EG 50 kt)
	12/27/08 18:35 CST		0	Source: Newspaper
<p>Some trees and limbs were down on roadways. Power lines were down and arcing.</p>				
SALINE COUNTY --- HARRISBURG [37.73, -88.55], RALEIGH [37.82, -88.53]				
	12/27/08 18:45 CST		50K	Thunderstorm Wind (EG 65 kt)
	12/27/08 18:45 CST		0	Source: Emergency Manager
<p>One building in Harrisburg lost its roof. A business in Raleigh lost one fourth of its roof. Large trees were down, blocking Highway 34.</p>				
MASSAC COUNTY --- METROPOLIS [37.15, -88.73]				
	12/27/08 18:50 CST		3K	Thunderstorm Wind (EG 52 kt)
	12/27/08 18:55 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - December 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
High tension power lines were down along a side street. Wind gusts were estimated near 60 mph by law enforcement officers.				
WABASH COUNTY --- MT CARMEL [38.42, -87.77]				
	12/27/08 19:15 CST		20K	Thunderstorm Wind (EG 52 kt)
	12/27/08 19:15 CST		0	Source: Newspaper

A new workplace structure under construction was blown down. None of the walls or roof were complete. Trees were damaged at another location in town.

A strong cold front was accompanied by a squall line of thunderstorms with strong winds. Despite record warm temperatures in the 70's, instability was minimal where the narrow squall line occurred. Winds were very strong in the lower levels of the atmosphere. Widespread wind gusts in the 50 to 60 mph range were observed, with isolated higher gusts around 70 mph. The storms were not prolific lightning producers.

INDIANA, Southwest

(IN-Z088) SPENCER				
	12/15/08 14:00 CST		0	Winter Storm
	12/16/08 08:00 CST		0	

The first winter storm of the season brought widespread sleet and freezing rain to a small part of southwest Indiana. In Spencer County, up to one quarter inch of ice coated roadways during the evening commute. Numerous accidents and slide-offs occurred. A strong cold front ushered much colder air into the region. A weak low pressure system then moved northeast along the front, causing the widespread sleet and freezing rain.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	12/16/08 15:00 CST		0	Winter Weather
	12/17/08 06:00 CST		0	

Areas of light freezing drizzle and freezing rain caused roads to become very icy. Multiple vehicle accidents with injuries were reported in Evansville. Evansville police closed portions of the Lloyd Expressway after more than a dozen cars were involved in accidents. Numerous accidents occurred on Interstate 164. Interstate 64 was closed from the Illinois state line to exit 25, which is at U.S. Highway 41. The wintry precipitation was caused by a weak surface trough of low pressure combined with a moist southwest flow aloft.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	12/18/08 23:00 CST		0	Dense Fog
	12/19/08 03:00 CST		0	

Widespread dense fog reduced visibility to one-quarter mile or less. The dense fog occurred along and just ahead of a warm front. Light east to southeast winds brought moist air over cold, icy ground.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	12/19/08 09:00 CST		6K	Strong Wind (MAX 39 kt)
	12/19/08 13:00 CST		0	

Strong southwest winds in advance of a cold front were sustained from 30 to 35 mph for a few hours. Peak wind gusts were from 40 to 45 mph. At Evansville, sustained winds reached 33 mph with gusts to 43 mph.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	12/23/08 08:00 CST		0	Winter Weather
	12/23/08 13:00 CST		0	

Widespread freezing rain coated surfaces with up to one-tenth inch of ice. Due to very cold antecedent conditions, pavement temperatures were low enough that the initial drops of precipitation immediately created hazardous conditions. A southerly flow of warmer air around high pressure over the Carolina coast overspread a shallow layer of cold air near the surface. The result was widespread icing. The freezing rain occurred during the morning commute, causing a rash of traffic accidents and school closings. More than 100 fender benders and traffic hazards occurred in Vanderburgh County in about six hours. Interstate 164 was closed between U.S. Highway 41 and the Lloyd Expressway for a couple of hours. About 1,000 customers lost power northwest of Evansville when a vehicle hit a utility pole. At the height of the freezing rain, traffic inched along expressways at 5 to 10 mph. At least two of the accidents in Evansville involved injuries. More than 30 minor accidents were reported in Warrick County. The Gibson County Sheriff Department reported 35 slide-offs and accidents in eight hours. That included a jack-knifed semi on U.S. Highway 41 near Fort Branch.

Storm Data and Unusual Weather Phenomena - December 2008

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

Highway 41 was closed for a few hours. The bus system in Evansville suspended service for several hours. U.S. Highway 231 was closed in Spencer County due to an overturned semi.

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

12/27/08 11:00 CST	6K	Strong Wind (MAX 39 kt)
12/27/08 18:00 CST	0	

Strong southerly winds developed ahead of a strong cold front moving east across Missouri. Winds at 2,000 feet were averaging near 60 mph. Enough daytime heating occurred to bring down some of this wind in the afternoon. Gusts at the surface were around 45 mph.

GIBSON COUNTY --- 2.0 S PRINCETON [38.32, -87.57]

12/27/08 19:45 CST	10K	Thunderstorm Wind (EG 52 kt)
12/27/08 19:45 CST	0	Source: Law Enforcement

A semi was blown over on U.S. Highway 41 near the Toyota assembly plant.

VANDERBURGH COUNTY --- (EVV)DRESS ARPT EVAN [38.03, -87.53]

12/27/08 20:01 CST	0	Thunderstorm Wind (MG 53 kt)
12/27/08 20:01 CST	0	Source: ASOS

A wind gust to 61 mph was measured at the Evansville Regional Airport.

A strong cold front was accompanied by a squall line of thunderstorms with strong winds. Widespread wind gusts in the 50 to 60 mph range were observed. The storms were not prolific lightning producers.

KENTUCKY, Southwest

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

12/15/08 14:00 CST	0	Winter Storm
12/16/08 08:00 CST	0	

The first winter storm of the season brought widespread sleet and freezing rain. Up to one quarter inch of ice coated roadways during the evening commute. Numerous accidents and slide-offs occurred. An accident on Highway 307 north of Fulton injured a couple of people. Locally higher accumulations of sleet and snow were observed in a small band from Central City westward along the Western Kentucky Parkway. A total of 3.4 inches of sleet and snow fell at Central City. Four inches was reported at Mortons Gap in Hopkins County. A strong cold front ushered much colder air into the region. A weak low pressure system then moved northeast along the front, causing the widespread sleet and freezing 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, (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

12/16/08 18:00 CST	0	Winter Weather
12/17/08 06:00 CST	0	

Areas of freezing rain and freezing drizzle caused roads to become very icy. Numerous accidents were reported, especially on bridges and overpasses. In McCracken County, a dozen wrecks caused major traffic problems. Interstate 24 westbound was closed near exit 11, and U.S. Highway 60 was closed near Barkley Regional Airport. Four people received minor injuries. Kentucky Highway 849 was closed in Graves County, where several cars slid off the road in a few hours. Area schools were closed. The wintry precipitation was caused by a weak surface trough of low pressure combined with a moist southwest flow aloft.

(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-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

12/18/08 01:00 CST	0	Winter Weather
12/18/08 08:00 CST	0	

Areas of light freezing rain and freezing drizzle caused slick spots on roadways. Bridges and overpasses were the most affected surfaces. Traffic accidents were not as numerous as during the winter event the previous day. A pickup truck ran off Kentucky Highway

Storm Data and Unusual Weather Phenomena - December 2008

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

139 in Trigg County and knocked down a power pole. Areas of dense freezing fog contributed to the light icing. Surface high pressure over the southern Great Lakes region provided a cold low level northeast wind flow. At the same time, milder southwest winds just above the surface were overrunning the cold air.

(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

12/18/08 16:00 CST	0	Dense Fog
12/19/08 03:00 CST	0	

Widespread dense fog reduced visibility to one-quarter mile or less. The dense fog occurred along and just ahead of a warm front. Light east to southeast winds brought moist air over cold, icy ground.

(KY-Z005) MCCRACKEN, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (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

12/19/08 08:00 CST	16K	Strong Wind (MAX 42 kt)
12/19/08 13:00 CST	0	

Strong southwest winds in advance of a cold front were sustained from 30 to 35 mph for a few hours. Peak wind gusts were from 40 to 50 mph. Two strips of siding were blown off a house near Paducah, where winds gusted to 48 mph.

(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

12/23/08 05:00 CST	0	Winter Weather
12/23/08 12:00 CST	0	

Widespread freezing rain coated surfaces with up to one-tenth inch of ice. Due to very cold antecedent conditions, pavement temperatures were low enough that the initial drops of precipitation immediately created hazardous conditions. A southerly flow of warmer air around high pressure over the Carolina coast overspread a shallow layer of cold air near the surface. The result was widespread icing. The freezing rain occurred during the morning commute, causing a rash of traffic accidents and school closings. Two fatal accidents occurred. In the first fatal wreck, an elderly woman driving on Greenville Road in northern Christian County was unable to stop for a vehicle in front of her. She swerved, went airborne, and struck two trees at the bottom of a ditch. The second fatal accident occurred in Hopkins County on U.S. Highway 62 east of Dawson Springs. A semi-trailer going westbound struck a tree, killing the driver. Across western Kentucky, over one hundred accidents occurred, slowing traffic to a crawl. The Kentucky State Police post that covers the Purchase area (extreme western Kentucky) worked about 100 accidents, including six with injuries. The State Police post based in Madisonville responded to 28 wrecks, including four with injuries. County sheriff departments reported many more additional wrecks, including 30 in McCracken County and 54 in Marshall County. Parts of the Purchase Parkway were closed due to a multi-vehicle pileup involving dozens of cars. Salt trucks and emergency response vehicles slid off roads. Numerous accidents with injuries occurred on U.S. Highway 641 near Murray. Ambulances encountered significant delays in reaching accident victims. In Carlisle County, there were over 50 accidents, including numerous tractor-trailers in ditches or jack-knifed. Major roads such as Kentucky Highway 80 in Graves County were closed due to numerous wrecks and/or disabled vehicles. A few noteworthy wrecks occurred in Henderson County on Highway 41-A, where there was a head-on collision and an overturned vehicle in two unrelated mishaps. Vehicles had difficulty negotiating on and off ramps from freeways. In Henderson, municipal bus service was suspended for several hours. Hospitals in the Paducah area treated a number of persons who slipped and fell on the ice, as well as auto accident victims.

MARSHALL COUNTY --- HARDIN [36.77, -88.30]

12/24/08 09:00 CST	0	Heavy Rain
12/24/08 11:00 CST	0	Source: Trained Spotter

Water was over several roads in Marshall County.

CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48]

12/24/08 09:45 CST	0	Heavy Rain
12/24/08 12:00 CST	0	Source: Newspaper

At least a couple roads were closed. The Hopkinsville area received 2.64 inches of rain in 12 hours. Extensive flooding of yards occurred along a block-long stretch of a city side street.

A slow-moving area of moderate to heavy rain caused flooding of roads. Many communities received between one and three inches of rain in the 24 hours leading up to the flooding.

Storm Data and Unusual Weather Phenomena - December 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(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				
	12/27/08 11:00 CST		22K	Strong Wind (MAX 48 kt)
	12/27/08 18:00 CST		0	
<p>Strong southerly winds developed ahead of a strong cold front moving east across Missouri. Winds at 2,000 feet were averaging near 60 mph. Enough daytime heating occurred to bring down some of this wind in the afternoon. Gusts at the surface ranged from 45 to 55 mph. The strongest reported wind gust was measured at 55 mph on a hilltop next to the interchange of Interstate 24 and the Purchase Parkway.</p>				
MCCRACKEN COUNTY --- (PAH)BARKLEY ARPT PA [37.07, -88.77]				
	12/27/08 18:50 CST		0	Thunderstorm Wind (MG 51 kt)
	12/27/08 18:50 CST		0	Source: ASOS
<p>A wind gust to 59 mph was measured by the automated wind equipment at Barkley Regional Airport. Sustained winds were measured at 44 mph. No damage was located in the area.</p>				
GRAVES COUNTY --- 2.0 N MAYFIELD [36.76, -88.63], SYMSONIA [36.92, -88.52]				
	12/27/08 19:15 CST		9K	Thunderstorm Wind (EG 52 kt)
	12/27/08 19:30 CST		0	Source: Law Enforcement
<p>Several trees were blown down in the county.</p>				
LIVINGSTON COUNTY --- SMITHLAND [37.13, -88.40], SALEM [37.27, -88.25]				
	12/27/08 19:20 CST		9K	Thunderstorm Wind (EG 52 kt)
	12/27/08 19:30 CST		0	Source: Trained Spotter
<p>Several trees were down throughout the county.</p>				
MARSHALL COUNTY --- BENTON [36.87, -88.35]				
	12/27/08 19:49 CST		9K	Thunderstorm Wind (EG 52 kt)
	12/27/08 19:49 CST		0	Source: Law Enforcement
<p>Several trees were blown down in the Benton area.</p>				
CALLOWAY COUNTY --- STELLA [36.65, -88.38]				
	12/27/08 19:50 CST		0	Thunderstorm Wind (EG 52 kt)
	12/27/08 19:50 CST		0	Source: Trained Spotter
<p>A trained spotter estimated a wind gust to 60 mph.</p>				
CHRISTIAN COUNTY --- 1.0 W HOPKINSVILLE [36.85, -87.50]				
	12/27/08 21:25 CST		3K	Thunderstorm Wind (EG 52 kt)
	12/27/08 21:35 CST		0	Source: NWS Employee
<p>An off-duty meteorologist estimated a wind gust to 60 mph. A couple of trees were blown down, blocking roads.</p> <p>A strong cold front was accompanied by a squall line of thunderstorms with strong winds. Despite record warm temperatures in the 70's, instability was minimal where the narrow squall line occurred. Winds were very strong in the lower levels of the atmosphere. Widespread wind gusts in the 50 to 60 mph range were observed along the squall line. The storms were not prolific lightning producers.</p>				
MISSOURI, Southeast				
CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53]				
	12/09/08 06:00 CST		0	Heavy Rain
	12/09/08 08:30 CST		0	Source: Newspaper

Storm Data and Unusual Weather Phenomena - December 2008

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

Minor flooding occurred in at least four areas of the city. Standing water was reported over parts of four streets. The public works department removed leaves from storm drains, which allowed the water to recede. At the Cape Girardeau airport, 0.91 inches of rainfall were observed in the 24 hours prior to the minor flooding.

CAPE GIRARDEAU COUNTY --- 1.0 N ALLENVILLE [37.23, -89.77]

12/09/08 07:45 CST			10K	Lightning
12/09/08 07:45 CST			0	Source: Newspaper

Lightning struck a large tree at a farming complex. The lightning traveled down through the roots to a fence, which caught on fire. A propane line on the fence blew out part of an electrical box inside and outside the home on the property.

Early morning thunderstorms were caused by a cold front that extended from northeast Illinois to the southeast part of Oklahoma.

(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

12/15/08 12:00 CST			0	Winter Storm
12/16/08 08:00 CST			0	

The first winter storm of the season brought widespread sleet and freezing rain. Up to one quarter inch of ice coated roadways during the evening commute. Sleet accumulations were generally an inch or less. Numerous accidents and slide-offs occurred. Many schools dismissed early and remained closed the following day. In less than three hours, Cape Girardeau police responded to at least 18 traffic accidents. Police cars were involved in two accidents. Many vehicles became stuck on hills. A rash of accidents occurred on U.S. Highway 60 in southern Scott County. A fatal accident occurred on U.S. Highway 60 in New Madrid County. A car slid into the path of a tractor-trailer rig, killing a man and injuring two passengers. Another fatal wreck occurred on U.S. Highway 67 in Butler County. A woman lost control of her vehicle and collided with an oncoming vehicle. Four other people were injured in that accident. A strong cold front ushered much colder air into the region. A weak low pressure system then moved northeast along the front, causing the widespread sleet and freezing rain.

(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

12/16/08 12:00 CST			0	Winter Weather
12/17/08 06:00 CST			0	

Areas of light freezing drizzle and freezing rain caused roadways to become slick. Numerous accidents were reported, especially on bridges and overpasses. A rollover accident occurred on Interstate 55 near mile marker 117, and another occurred on Highway 177 near Trail of Tears State Park. Many cars slid off roads in Perry County. Many schools were closed. The wintry precipitation was caused by a weak surface trough of low pressure combined with a moist southwest flow aloft.

(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

12/18/08 01:00 CST			0	Winter Weather
12/18/08 08:00 CST			0	

Areas of light freezing rain and freezing drizzle caused slick spots on roadways. Bridges and overpasses were the most affected surfaces. Numerous additional accidents were reported in this third round of ice in three days. About 15 wrecks occurred in Scott County. Two people were injured in an accident on Interstate 57 five miles north of Charleston. Schools in many places were closed for the third day. Areas of dense freezing fog contributed to the light icing. Surface high pressure over the southern Great Lakes region provided a cold low level northeast wind flow. At the same time, milder southwest winds just above the surface were overrunning 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

12/18/08 16:00 CST			0	Dense Fog
12/19/08 03:00 CST			0	

Widespread dense fog reduced visibility to one-quarter mile or less. The dense fog occurred along and just ahead of a warm front. Light east to southeast winds brought moist air over cold, icy ground.

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

12/23/08 05:00 CST			0	Winter Weather
12/23/08 20:00 CST			0	

Storm Data and Unusual Weather Phenomena - December 2008

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

Widespread freezing rain coated surfaces with around one-tenth inch of ice. Locally higher amounts up to one-quarter inch were reported in the Ozark Foothills of Carter County. Due to very cold antecedent conditions, pavement temperatures were low enough that the initial drops of precipitation immediately created hazardous conditions. A southerly flow of warmer air around high pressure over the Carolina coast overspread a shallow layer of cold air near the surface. The result was widespread icing. The freezing rain occurred during the morning commute, causing a rash of traffic accidents and school closings. Cape Girardeau police reported about 40 accidents in that city alone. Highway M was closed in the Butler County area due to a large number of vehicles in ditches. At least a couple of accidents involved injuries. Doniphan police reported at least 15 accidents, including an SUV that rolled three times on Highway 160. A couple of rollover accidents occurred on Interstate 55.

(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

12/26/08 08:00 CST	0	Dense Fog
12/26/08 11:30 CST	0	

Dense fog blanketed much of southeast Missouri as milder south winds blew over cold, frozen ground. Visibility was reduced to one-quarter mile or less.

(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

12/27/08 11:00 CST	11K	Strong Wind (MAX 41 kt)
12/27/08 18:00 CST	0	

Strong southerly winds developed ahead of a strong cold front moving east across Missouri. Winds at 2,000 feet were averaging near 60 mph. Enough daytime heating occurred to bring down some of this wind in the afternoon. Gusts at the surface ranged from 45 to 50 mph.

BUTLER COUNTY --- POPLAR BLUFF [36.75, -90.40], 2.3 NE BATESVILLE [36.73, -90.23]

12/27/08 16:40 CST	25K	Thunderstorm Wind (EG 61 kt)
12/27/08 16:40 CST	0	Source: Newspaper

A shed was heavily damaged on Route AA east of Poplar Bluff. The 18-foot wide shed roof was blown up to 200 feet away, with pieces hitting a nearby house. A car inside the shed was damaged. At a church on Highway 51 between Fisk and Broseley, wind blew down the covered area over the front door and damaged a sign. In Poplar Bluff, tree limbs were down on a couple streets. A large tree was down.

BOLLINGER COUNTY --- PATTON [37.50, -90.02], ZALMA [37.15, -90.08]

12/27/08 16:45 CST	10K	Thunderstorm Wind (EG 50 kt)
12/27/08 17:00 CST	0	Source: Newspaper

Some trees were blown down near Zalma and Patton.

STODDARD COUNTY --- 3.8 NNW SHOVER [36.73, -90.14], 4.0 S DEXTER [36.74, -89.95]

12/27/08 17:10 CST	40K	Thunderstorm Wind (EG 61 kt)
12/27/08 17:10 CST	0	Source: Emergency Manager

Nine utility poles were blown down along Highway 25. Electric lines fell on top of three vehicles, trapping the occupants until emergency crews could turn off power. About 1,100 utility customers were without power. A three-mile section of the highway remained closed until the following afternoon. Some older trees were blown down across gravel roads south of U.S. Highway 60 in the western part of the county.

CAPE GIRARDEAU COUNTY --- GORDONVILLE [37.32, -89.68], 5.0 N JACKSON [37.45, -89.67]

12/27/08 17:25 CST	45K	Thunderstorm Wind (EG 61 kt)
12/27/08 17:25 CST	0	Source: Emergency Manager

On Route D north of Jackson, a large portion of roof was blown off a home, a metal carport was blown away, and a portion of a fence was blown down. Rainwater damaged the kitchen, laundry, and master bath. Elsewhere in the county, power lines were down near Gordonville. Several sheets of tin were wrapped around a tree in Fruitland. Shingles were blown off a home near Route K.

CAPE GIRARDEAU COUNTY --- (CGI)CAPE GIRARDEAU [37.23, -89.57], CAPE GIRARDEAU [37.30, -89.53]

12/27/08 17:35 CST	3K	Thunderstorm Wind (MG 51 kt)
12/27/08 17:35 CST	0	Source: ASOS

A wind gust to 59 mph was measured by the automated observing system at Cape Girardeau Airport. A hangar door was damaged.

A strong cold front was accompanied by a squall line of thunderstorms with strong winds. Widespread wind gusts in the 50 to 60 mph

Storm Data and Unusual Weather Phenomena - December 2008

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

range were observed, with isolated higher gusts around 70 mph. The storms were not prolific lightning producers.