

## Storm Data and Unusual Weather Phenomena - October 2008

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

#### JEFFERSON COUNTY --- MT VERNON [38.32, -88.90]

10/07/08 07:55 CST	15K	Lightning
10/07/08 07:55 CST	0	Source: Newspaper

Lightning struck an ambulance building in Mount Vernon. The lightning struck the radio communications tower, then travelled down cables to the building. A small fire was started where electrical lines entered the building. Damage to the building was very minor.

Numerous showers and thunderstorms occurred along and ahead of a cold front as it moved east across Missouri. One of the storms produced a lightning strike that damaged a building.

(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		
10/28/08 01:00 CST	0	Frost/Freeze
10/28/08 07:00 CST	0	

Cold Canadian high pressure moved south into the Plains. Brisk north winds brought the first freeze of the season to the entire region. Low temperatures were from 30 to 32 degrees at most observing sites.

(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		
10/29/08 01:00 CST	0	Frost/Freeze
10/29/08 07:30 CST	0	

Surface high pressure crossed the Lower Mississippi Valley. The combination of light winds, dry air, and clear skies allowed temperatures to fall below freezing with widespread frost. Low temperatures ranged from 24 to 31 degrees.

### INDIANA, Southwest

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

10/28/08 01:00 CST	0	Frost/Freeze
10/28/08 07:00 CST	0	

Cold Canadian high pressure moved south into the Plains. Brisk north winds brought the first freeze of the season to the entire region. Low temperatures were from 30 to 32 degrees at most observing sites.

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

10/29/08 01:00 CST	0	Frost/Freeze
10/29/08 07:30 CST	0	

Surface high pressure crossed the Lower Mississippi Valley. The combination of light winds, dry air, and clear skies allowed temperatures to fall below freezing with widespread frost. Low temperatures were in the upper 20's at most locations.

### KENTUCKY, Southwest

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (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		
10/01/08 00:00 CST	0	Drought
10/07/08 12:00 CST	0	

Severe drought conditions persisted through early October for parts of western Kentucky. After a dry September, many western Kentucky locations reported less than 50 percent of normal rainfall during the preceding 60 days. Severe drought conditions prevailed south of a line from Murray to Greenville. Much of the rest of western Kentucky was classified as being in a moderate drought. At the

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start of October, 77 percent of Kentucky hay and pastureland was rated poor or very poor. Wildfires were reported in several counties, though none were especially large. Burn bans were placed in effect for most western Kentucky counties. Most of the corn crop reached maturity prior to the onset of drought. The soybean crop, which matures later in the season, was more adversely affected. Widespread beneficial rain on October 7 amounted to between one and two inches on average. This rain essentially ended severe drought conditions across western Kentucky.

(KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

10/09/08 00:10 CST	0	Dense Fog
10/09/08 05:00 CST	0	

Dense fog formed over the Pennyriple region of western Kentucky. Along and east of a line from Owensboro to Hopkinsville, the dense fog reduced visibility to one-quarter mile or less. Nearly calm winds, clearing skies, and abundant moisture near the ground produced conditions favorable for the development of fog.

(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

10/28/08 02:00 CST	0	Frost/Freeze
10/28/08 06:00 CST	0	

Cold Canadian high pressure moved south into the Plains. Brisk north winds brought the first freeze of the season to the entire region. Low temperatures were 31 to 32 degrees at most observing sites.

(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

10/29/08 01:00 CST	0	Frost/Freeze
10/29/08 07:30 CST	0	

Surface high pressure crossed the Lower Mississippi Valley. The combination of light winds, dry air, and clear skies allowed temperatures to fall below freezing with widespread frost. Low temperatures ranged from 27 to 31 degrees.

### MISSOURI, Southeast

NEW MADRID COUNTY --- LILBOURN [36.60, -89.62]

10/07/08 16:44 CST	0	Hail (0.88 in)
10/07/08 16:44 CST	0	Source: Emergency Manager

Numerous showers and thunderstorms occurred along and ahead of a cold front as it moved east across the Middle Mississippi River Valley. One of the storms briefly produced nickel-size hail.

(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

10/28/08 01:00 CST	0	Frost/Freeze
10/28/08 07:00 CST	0	

Cold Canadian high pressure moved south into the Plains. Brisk north winds brought the first freeze of the season to the entire region. Low temperatures were from 24 to 30 degrees at most observing sites.

(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

10/29/08 01:00 CST	0	Frost/Freeze
10/29/08 07:30 CST	0	

Surface high pressure crossed the Lower Mississippi Valley. The combination of light winds, dry air, and clear skies allowed temperatures to fall below freezing with widespread frost. Low temperatures ranged from 25 to 32 degrees.