

Storm Data and Unusual Weather Phenomena - February 2011

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

(IL-Z027) KNOX, (IL-Z028) STARK, (IL-Z029) PEORIA, (IL-Z030) MARSHALL, (IL-Z031) WOODFORD, (IL-Z036) FULTON, (IL-Z037) TAZEWELL, (IL-Z038) MCLEAN, (IL-Z040) SCHUYLER, (IL-Z041) MASON, (IL-Z042) LOGAN, (IL-Z043) DE WITT, (IL-Z047) CASS, (IL-Z048) MENARD, (IL-Z049) SCOTT, (IL-Z050) MORGAN, (IL-Z051) SANGAMON, (IL-Z052) CHRISTIAN, (IL-Z053) MACON

02/01/11 09:00 CST	3.88M	Blizzard
02/02/11 11:00 CST	0	

(IL-Z044) PIATT, (IL-Z045) CHAMPAIGN, (IL-Z046) VERMILION, (IL-Z054) MOULTRIE, (IL-Z055) DOUGLAS, (IL-Z056) COLES, (IL-Z057) EDGAR, (IL-Z061) SHELBY, (IL-Z062) CUMBERLAND, (IL-Z063) CLARK, (IL-Z066) EFFINGHAM

02/01/11 10:30 CST	5.17M	Winter Storm
02/02/11 12:00 CST	0	

(IL-Z067) JASPER, (IL-Z068) CRAWFORD, (IL-Z071) CLAY, (IL-Z072) RICHLAND, (IL-Z073) LAWRENCE

02/01/11 12:00 CST	2.33M	Ice Storm
02/02/11 12:00 CST	0	

A powerful storm system tracking from the southern Plains into the Great Lakes brought a wide variety of wintry precipitation to central and southeast Illinois on February 1st into the 2nd. Freezing rain was the primary form of precipitation south of I-70, where ice accumulations of one quarter to three quarters of an inch were common. Further north, a mix of freezing rain, sleet, and snow was observed along and south of a Shelbyville...to Champaign-Urbana...to Hoopston line. One quarter to one half an inch of ice accumulated further south close to I-70, while 2 to 4 inches of sleet fell across the rest of the area. Further northwest, heavy snow and extremely strong winds resulted in blizzard conditions along and northwest of the I-55 corridor. 12 to 18 inches of snow, with locally higher amounts, were common. New records for 24 hour snowfall were set at 11 cooperative observation locations in central and west central Illinois. The extreme winter precipitation created nearly impossible travel conditions at times and resulted in numerous accidents and injuries across central and southeast Illinois. Numerous county highways and several interstates were closed...including I-55, I-72, I-74 and I-155...from the afternoon of February 1st through much of the day February 2nd. The National Guard made nearly 200 rescues of stranded motorists in central Illinois, and local emergency managers made dozens of snowmobile rescues in rural locations. All schools in each of the 35 impacted counties were closed for at least three days. Power outages were widespread, impacting nearly one million people. Some locations in southeast Illinois, along and south of I-70 were without power for nearly a week after the storm. Damages done to power lines, power poles, trees and other property due to ice was around \$10 Million, while snow removal costs for communities in central and southeast Illinois was more than \$4.4 Million.

(IL-Z066) EFFINGHAM

02/02/11 18:00 CST	0	Cold/Wind Chill
02/04/11 23:00 CST	0	

In the wake of a powerful storm system that brought copious amounts of snow and ice to central Illinois, strong Canadian high pressure built into the region from February 2nd through February 4th. Actual air temperatures dropped below zero during the overnight hours, while wind-chill readings fell as low as 15 below zero. Due to an extended power outage during this period of bitterly cold weather, a man in rural Dieterich died as a result of hypothermia.

(IL-Z062) CUMBERLAND

02/05/11 05:00 CST	0	Winter Weather
02/05/11 14:00 CST	0	

An area of low pressure tracking from the southern Plains into the Ohio River Valley brought accumulating snow to east-central and southeast Illinois on February 5th. The snow was confined to locations east of I-55...with the heaviest amounts ranging from 4 to 6 inches noted along the I-57 corridor from Champaign-Urbana southward to Effingham. Due to the heavy snowfall, an accident closed a section of I-70 for several hours.

SCHUYLER COUNTY --- RUSHVILLE [40.12, -90.57]

02/27/11 19:11 CST	0	Hail (1.00 in)
02/27/11 19:12 CST	0	Source: Emergency Manager

SCHUYLER COUNTY --- 2.0 N RAY [40.23, -90.47]

02/27/11 19:15 CST	5K	Hail (1.75 in)
02/27/11 19:16 CST	0	Source: Public

Golfball-sized hail broke windows at a home 2 miles north of Ray.

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TAZEWELL COUNTY --- 7.0 W ARMINGTON [40.33, -89.43]				
	02/27/11 20:16 CST		0	Hail (1.00 in)
	02/27/11 20:17 CST		0	Source: Trained Spotter
LOGAN COUNTY --- 1.0 S EMDEN [40.29, -89.48]				
	02/27/11 20:25 CST		0	Hail (0.88 in)
	02/27/11 20:26 CST		0	Source: Trained Spotter
LOGAN COUNTY --- EMDEN [40.30, -89.48]				
	02/27/11 20:25 CST		0	Hail (1.25 in)
	02/27/11 20:26 CST		0	Source: Emergency Manager
SCHUYLER COUNTY --- FREDERICK [40.07, -90.43], BROWNING [40.13, -90.37]				
	02/27/11 20:35 CST		25K	Thunderstorm Wind (EG 52 kt)
	02/27/11 20:40 CST		0	Source: Emergency Manager
Numerous large tree limbs were blown down from Frederick to Browning.				
CASS COUNTY --- BEARDSTOWN [40.02, -90.43]				
	02/27/11 20:40 CST		10K	Hail (1.75 in)
	02/27/11 20:41 CST		0	Source: Law Enforcement
Golfball-sized hail damaged a vehicle.				
MCLEAN COUNTY --- 3.0 NW SHIRLEY [40.45, -89.11]				
	02/27/11 20:48 CST		0	Hail (1.75 in)
	02/27/11 20:49 CST		0	Source: Emergency Manager
MCLEAN COUNTY --- BLOOMINGTON [40.48, -88.98]				
	02/27/11 20:52 CST		0	Hail (0.75 in)
	02/27/11 20:53 CST		0	Source: Trained Spotter
SCOTT COUNTY --- WINCHESTER [39.63, -90.47]				
	02/27/11 20:55 CST		15K	Thunderstorm Wind (EG 52 kt)
	02/27/11 20:56 CST		0	Source: Law Enforcement
A roof was blown off a utility shed and a 10-inch diameter tree was knocked down.				
MCLEAN COUNTY --- 1.0 N NORMAL [40.53, -89.00]				
	02/27/11 20:56 CST		0	Hail (1.00 in)
	02/27/11 20:57 CST		0	Source: Trained Spotter
MCLEAN COUNTY --- 3.0 NE NORMAL [40.55, -88.96]				
	02/27/11 21:00 CST		0	Hail (0.88 in)
	02/27/11 21:01 CST		0	Source: NWS Employee
MCLEAN COUNTY --- BLOOMINGTON [40.48, -88.98]				
	02/27/11 21:03 CST		0	Hail (0.75 in)
	02/27/11 21:04 CST		0	Source: Mesonet
MORGAN COUNTY --- 0.9 SE MURRAYVILLE [39.57, -90.24]				
	02/27/11 21:07 CST		10K	Thunderstorm Wind (EG 52 kt)
	02/27/11 21:08 CST		0	Source: Emergency Manager
Trees were blown down across U.S. 267 just north of Whitlock Road.				
COLES COUNTY --- 3.0 S MATTOON [39.44, -88.37]				

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	02/27/11 21:22 CST		0	Hail (0.75 in)
	02/27/11 21:23 CST		0	Source: Trained Spotter
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SANGAMON COUNTY --- MECHANICSBURG [39.82, -89.40]	02/27/11 21:40 CST		5K	Thunderstorm Wind (EG 52 kt)
	02/27/11 21:41 CST		0	Source: Emergency Manager
A power pole was broken, resulting in a 6-hour power outage in Mechanicsburg.				
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COLES COUNTY --- 1.0 E CHARLESTON [39.48, -88.16]	02/27/11 21:50 CST		0	Hail (0.75 in)
	02/27/11 21:51 CST		0	Source: Emergency Manager
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EFFINGHAM COUNTY --- 3.0 SW ALTAMONT [39.04, -88.79]	02/28/11 00:33 CST		30K	Thunderstorm Wind (EG 52 kt)
	02/28/11 00:34 CST		0	Source: Fire Department/Rescue
Power poles were bent over and a pole barn suffered minor damage.				
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EFFINGHAM COUNTY --- ALTAMONT [39.07, -88.75]	02/28/11 00:35 CST		25K	Thunderstorm Wind (EG 52 kt)
	02/28/11 00:36 CST		0	Source: Law Enforcement
Power poles were bent over and numerous tree limbs were blown down.				
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EFFINGHAM COUNTY --- 3.0 SE ALTAMONT [39.04, -88.71]	02/28/11 00:36 CST		30K	Thunderstorm Wind (EG 52 kt)
	02/28/11 00:37 CST		0	Source: Emergency Manager
A lean-to shed was destroyed and minor roof damage occurred to a house.				
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EFFINGHAM COUNTY --- WATSON [39.02, -88.57]	02/28/11 00:45 CST		25K	Thunderstorm Wind (EG 52 kt)
	02/28/11 00:46 CST		0	Source: Mesonet
A small utility shed roof and porch roof were blown off.				
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CLAY COUNTY --- 2.1 N FLORA [38.70, -88.48]	02/28/11 00:55 CST		15K	Thunderstorm Wind (EG 52 kt)
	02/28/11 00:56 CST		0	Source: Emergency Manager
Five power poles were snapped along U.S. 45 north of Flora.				
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EFFINGHAM COUNTY --- 1.0 N DIETERICH [39.08, -88.37]	02/28/11 00:55 CST		40K	Thunderstorm Wind (EG 52 kt)
	02/28/11 00:56 CST		0	Source: Newspaper
Part of the roof was blown off a church north of Dieterich.				
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JASPER COUNTY --- WHEELER [39.05, -88.32]	02/28/11 01:05 CST		20K	Thunderstorm Wind (EG 52 kt)
	02/28/11 01:06 CST		0	Source: Emergency Manager
Several trees were blown down.				

An area of low pressure lifted from the Plains northeastward into central Illinois during the evening of February 27th. The airmass in the vicinity of the low was only weakly unstable, but it was highly sheared. The resulting thunderstorms produced large hail and gusty winds along and north of a Bearstown...to Bloomington-Normal line. Further south, additional thunderstorms developed along an advancing cold front during the pre-dawn hours of February 28th, producing damaging wind gusts along and south of I-70.