

## Storm Data and Unusual Weather Phenomena - July 2012

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-Z044) PIATT, (IL-Z045) CHAMPAIGN, (IL-Z046) VERMILION, (IL-Z047) CASS, (IL-Z048) MENARD, (IL-Z049) SCOTT, (IL-Z050) MORGAN, (IL-Z051) SANGAMON, (IL-Z052) CHRISTIAN, (IL-Z053) MACON, (IL-Z054) MOULTRIE, (IL-Z055) DOUGLAS, (IL-Z056) COLES, (IL-Z057) EDGAR, (IL-Z061) SHELBY, (IL-Z062) CUMBERLAND, (IL-Z063) CLARK, (IL-Z066) EFFINGHAM, (IL-Z067) JASPER, (IL-Z068) CRAWFORD, (IL-Z071) CLAY, (IL-Z072) RICHLAND, (IL-Z073) LAWRENCE	07/01/12 00:00 CST 07/07/12 18:00 CST	1	0 0	Excessive Heat
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Direct Fatalities: M64PH

An extended period of excessive heat and humidity occurred across central and southeast Illinois from June 29th through July 7th. Afternoon high temperatures ranged from 95 to 105 degrees...while overnight lows generally remained in the 70s. Peak heat index values approached 110 degrees on many days. One person died as a result of the intense heat in Chillicothe on July 5th.

(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-Z044) PIATT, (IL-Z045) CHAMPAIGN, (IL-Z046) VERMILION, (IL-Z047) CASS, (IL-Z048) MENARD, (IL-Z049) SCOTT, (IL-Z050) MORGAN, (IL-Z051) SANGAMON, (IL-Z052) CHRISTIAN, (IL-Z053) MACON, (IL-Z054) MOULTRIE, (IL-Z055) DOUGLAS, (IL-Z056) COLES, (IL-Z057) EDGAR, (IL-Z061) SHELBY, (IL-Z062) CUMBERLAND, (IL-Z063) CLARK, (IL-Z066) EFFINGHAM, (IL-Z067) JASPER, (IL-Z068) CRAWFORD, (IL-Z071) CLAY, (IL-Z072) RICHLAND, (IL-Z073) LAWRENCE	07/01/12 00:00 CST 07/31/12 23:59 CST		0 0	Drought
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An extended period of dry weather continued to worsen across central and southeast Illinois during the month of July...with most locations reporting monthly rainfall deficits of 2 to 4 inches. Due to an abnormally warm and dry spring, yearly rainfall deficits since January 1st grew to as much as 8 to 13 inches in July. The prolonged period of dry weather caused nearly all of central and southeast Illinois to be upgraded to the Extreme Drought Category (D3). Severe Drought (D2) persisted along and north of a Peoria to Minonk line...while Lawrence and Crawford counties in southeast Illinois worsened to an Exceptional Drought (D4).

#### LAWRENCE COUNTY --- LAWRENCEVILLE [38.72, -87.67]

07/01/12 16:50 CST 07/01/12 16:55 CST	15K 0	Thunderstorm Wind (EG 52 kt) Source: Law Enforcement
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Several small trees and tree branches were blown down.

#### LAWRENCE COUNTY --- SUMNER [38.72, -87.85]

07/01/12 16:50 CST 07/01/12 16:51 CST	0 0	Hail (0.88 in) Source: Emergency Manager
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Isolated thunderstorms developed across Lawrence County during the late afternoon of July 1st. Due to an extremely hot and humid airmass in place across the region, the storms were able to feed off the strong instability to produce gusty winds and hail.

#### SHELBY COUNTY --- SHELBYVILLE [39.42, -88.80]

07/02/12 16:00 CST 07/02/12 16:05 CST	10K 0	Thunderstorm Wind (EG 52 kt) Source: Mesonet
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Several tree branches were blown down.

Isolated thunderstorms developed during the late afternoon of July 2nd. Due to an extremely hot and humid airmass in place across the region, the storms were able to feed off the strong instability to produce gusty winds across portions of Shelby County. Minor wind damage was reported in Shelbyville.

#### LAWRENCE COUNTY --- 2.3 ENE BIRDS [38.84, -87.63]

07/04/12 16:31 CST 07/04/12 16:32 CST	0 0	Hail (1.00 in) Source: COOP Observer
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#### LAWRENCE COUNTY --- 3.1 NNW LAWRENCEVILLE ARPT [38.81, -87.61]

07/04/12 16:35 CST 07/04/12 16:40 CST	3K 0	Thunderstorm Wind (EG 61 kt) Source: COOP Observer
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A 3-foot diameter tree was blown down across 1600E about 1.5 miles south of 1800N.				
<b>LAWRENCE COUNTY --- BIRDS [38.83, -87.67], RUSSELLVILLE [38.82, -87.53]</b>				
	07/04/12 16:35 CST		15K	Thunderstorm Wind (EG 61 kt)
	07/04/12 16:40 CST		0	Source: COOP Observer
Numerous tree branches were blown down between Birds and Russellville.				
<b>Isolated thunderstorms developed across Lawrence County during the late afternoon of July 4th. Due to an extremely hot and humid airmass in place across the region, the storms were able to feed off the strong instability to produce gusty winds and hail.</b>				
<b>LAWRENCE COUNTY --- 2.0 NW ST FRANCISVILLE [38.62, -87.68]</b>				
	07/08/12 13:05 CST		3K	Thunderstorm Wind (EG 52 kt)
	07/08/12 13:10 CST		0	Source: Public
A tree was blown down 2 miles northwest of St. Francisville.				
<b>LAWRENCE COUNTY --- 2.3 WNW BILLET [38.68, -87.69]</b>				
	07/08/12 13:05 CST		8K	Thunderstorm Wind (EG 52 kt)
	07/08/12 13:10 CST		0	Source: Law Enforcement
Tree limbs were blown down onto power lines on Billett Road south of Lawrenceville.				
<b>JASPER COUNTY --- 0.9 NW NEWTON FLYING CLB AR [38.94, -88.16]</b>				
	07/08/12 14:10 CST		10K	Thunderstorm Wind (EG 52 kt)
	07/08/12 14:15 CST		0	Source: Law Enforcement
Power lines were blown down onto East 600th Avenue about 3 miles south of Newton.				
<b>JASPER COUNTY --- 0.8 NNW WILLOW HILL [39.01, -88.02]</b>				
	07/08/12 14:15 CST		3K	Thunderstorm Wind (EG 52 kt)
	07/08/12 14:20 CST		0	Source: Law Enforcement
A tree was blown down at the IL33/49 junction about 6 miles E/NE of Newton.				
<b>LAWRENCE COUNTY --- CHAUNCEY [38.83, -87.83]</b>				
	07/08/12 15:05 CST		18K	Thunderstorm Wind (EG 52 kt)
	07/08/12 15:10 CST		0	Source: Emergency Manager
Trees were blown down...knocking out power in Chauncey.				
<b>Scattered thunderstorms developed along a slow-moving cold front across southeast Illinois during the afternoon of July 8th. Most of the storms occurred along and south of I-70...with the strongest cells impacting parts of Jasper and Lawrence counties. Minor wind damage was reported. In addition, locally heavy rainfall in excess of 2 inches occurred across southern Lawrence County just south of Sumner.</b>				
<b>DOUGLAS COUNTY --- TUSCOLA [39.80, -88.28]</b>				
	07/14/12 14:46 CST		0	Hail (0.75 in)
	07/14/12 14:47 CST		0	Source: Trained Spotter
<b>A weak upper-level disturbance triggered scattered thunderstorms across east-central and southeast Illinois during the afternoon of July 14th. Thanks to copious amounts of moisture in the atmosphere, some of the storms produced locally heavy rainfall of 1 to 3 inches. The strongest cell dropped penny-sized hail in Douglas County.</b>				
<b>VERMILION COUNTY --- 3.0 NE DANVILLE [40.16, -87.58]</b>				
	07/18/12 18:10 CST		3K	Thunderstorm Wind (EG 52 kt)
	07/18/12 18:15 CST		0	Source: Emergency Manager
A large tree was blown down near the intersection of 1750E and 2000N.				
<b>An approaching cold front triggered widely scattered thunderstorms across north-central Illinois during the late afternoon and evening of July 18th. One cell produced gusty winds that downed a tree in Vermilion County.</b>				

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<b>LAWRENCE COUNTY --- BRIDGEPORT [38.72, -87.75]</b>				
	07/19/12 07:15 CST		30K	Thunderstorm Wind (EG 61 kt)
	07/19/12 07:20 CST		0	Source: Public
Several trees and large tree limbs were blown down. A small shed was destroyed, and the roof was blown off a pole barn.				
<b>A weak cold front dropping southward through the region triggered a broken line of showers and thunderstorms during the morning of July 19th. One cell produced gusty winds and minor damage in Bridgeport in Lawrence County.</b>				
<b>VERMILION COUNTY --- HEGELER [40.08, -87.63]</b>				
	07/25/12 04:45 CST		25K	Thunderstorm Wind (EG 65 kt)
	07/25/12 04:50 CST		0	Source: Emergency Manager
The roof of a trailer was damaged, two power poles were snapped, and numerous trees were blown down.				
<b>An isolated thunderstorm produced a microburst 1.5 miles southeast of Tilton in Vermilion County during the early morning of July 25th. Easterly winds of 55 to 75 mph created considerable damage in a 2 block by 4 block area one quarter of a mile wide.</b>				
<b>TAZEWELL COUNTY --- ARMINGTON [40.33, -89.30]</b>				
	07/26/12 18:10 CST		42K	Thunderstorm Wind (EG 52 kt)
	07/26/12 18:15 CST		0	Source: Law Enforcement
Numerous trees and tree branches were blown down. Power lines were knocked down as well, creating a power outage in Armington. In addition, the roof of an old school was damaged.				
<b>MCLEAN COUNTY --- HEYWORTH [40.32, -88.98]</b>				
	07/26/12 18:40 CST		20K	Thunderstorm Wind (EG 52 kt)
	07/26/12 18:45 CST		0	Source: Emergency Manager
A two to three-foot diameter hollow tree branch was broken out of a tree and fell onto a house. Several other tree branches and power lines were blown down around town.				
<b>A strong cold front triggered widely scattered thunderstorms across the area during the afternoon and evening of July 26th. A couple of the cells produced damaging wind gusts across portions of Tazewell and McLean counties.</b>				
<b>(IL-Z051) SANGAMON</b>				
	07/27/12 12:30 CST		2.10M	Wildfire
	07/28/12 09:00 CST		0	
<b>A wildfire burned 350 acres of grassland near Rochester in Sangamon County on July 27th. While the exact cause of the fire is unknown, it was likely aided by very dry conditions and northwesterly winds gusting to 25 mph. No injuries were reported: however, an estimated \$20,000 of property damage occurred.</b>				
<b>VERMILION COUNTY --- HOOPESTON [40.47, -87.67]</b>				
	07/31/12 08:15 CST		0	Hail (0.75 in)
	07/31/12 08:16 CST		0	Source: Emergency Manager
<b>VERMILION COUNTY --- 2.1 NNE HOPE [40.23, -87.89]</b>				
	07/31/12 09:07 CST		0	Hail (1.00 in)
	07/31/12 09:08 CST		0	Source: Storm Chaser
<b>VERMILION COUNTY --- 0.9 NW FITHIAN [40.13, -87.88]</b>				
	07/31/12 09:22 CST		0	Hail (0.88 in)
	07/31/12 09:23 CST		0	Source: Storm Chaser
<b>VERMILION COUNTY --- 1.0 W FITHIAN [40.12, -87.89]</b>				
	07/31/12 09:27 CST		0	Hail (1.25 in)
	07/31/12 09:28 CST		0	Source: Storm Chaser
<b>CHAMPAIGN COUNTY --- URBANA [40.10, -88.20]</b>				

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	07/31/12 14:52 CST		0	Hail (0.88 in)
	07/31/12 14:53 CST		0	Source: Trained Spotter

An approaching cold front triggered scattered thunderstorms in east-central Illinois during the late morning and afternoon of July 31st. A few of the cells produced large hail up to the size of half dollars across portions of Champaign and Vermilion counties.