

Storm Data and Unusual Weather Phenomena - February 2014

| 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, (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 |
| 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. | | | | |

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| 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.

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

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|---|--------------------|--|-----|------------------------------|
| 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.

KENTUCKY, Southwest

| | | | | |
|--|--------------------|--|-----|------------------------------|
| 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.

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|--|--------------------|--|-----|------------------------------|
| 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.

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|--|--------------------|--|-----|------------------------------|
| 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.

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|--|--------------------|--|-----|---------------------------------------|
| 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.

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|--|--------------------|--|----|---------------------------------------|
| 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.

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|---|--------------------|--|----|-------------------------|
| (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

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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.

MISSOURI, Southeast

(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.