

Storm Data and Unusual Weather Phenomena - April 2011

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-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				
	04/03/11 09:00 CST		17K	Strong Wind (MAX 46 kt)
	04/03/11 18:00 CST		0	
(IL-Z083) WHITE				
	04/03/11 09:00 CST		1K	Dust Storm
	04/03/11 18:00 CST		0	
(IL-Z084) JACKSON				
	04/03/11 09:00 CST		1K	High Wind (MAX 54 kt)
	04/03/11 18:00 CST		0	
<p>Strong southwest winds developed between low pressure approaching from the northwest and high pressure to the southeast. The winds gusted as high as 62 mph at the Carbondale airport, and around 50 mph at most other locations. Peak wind gusts included 53 mph at Mount Vernon and Marion, 50 mph at Carmi, 48 mph at Cairo, and 47 mph at Harrisburg. Some minor damage was reported. The roofing of a grade school gym in Akin (in Franklin County) was damaged. A large tree was uprooted in Crainville (in Williamson County). There were some scattered power outages due to tree limbs falling on power lines. Brush fires were fanned by the strong winds. Because farmers had recently plowed up the soil, blowing dust reduced visibility in some areas. Visibility was so poor in parts of White County that the sheriff department closed one to two miles of a county road. Farmers were requested to turn on their irrigation systems to keep the dust down.</p>				
ALEXANDER COUNTY --- 5.0 SE THEBES [37.17, -89.41]				
	04/04/11 07:31 CST		2K	Thunderstorm Wind (EG 50 kt)
	04/04/11 07:31 CST		0	Source: Trained Spotter
Small tree limbs were blown down, and a swing was blown over.				
MASSAC COUNTY --- 2.4 SSE ROUND KNOB [37.22, -88.73]				
	04/04/11 09:32 CST		0	Thunderstorm Wind (MG 56 kt)
	04/04/11 09:32 CST		0	Source: Trained Spotter
MASSAC COUNTY --- 2.6 ENE METROPOLIS MUNI ARPT [37.20, -88.71]				
	04/04/11 09:35 CST		25K	Thunderstorm Wind (EG 61 kt)
	04/04/11 09:35 CST		0	Source: Trained Spotter
A few miles north of Metropolis, a church steeple was blown off. The steeple was about three to four feet at the base and twelve feet in height. A trained spotter estimated 70 mph wind gusts in Metropolis. A house roof was damaged in Metropolis.				
POPE COUNTY --- EDDYVILLE [37.50, -88.58]				
	04/04/11 09:48 CST		0	Heavy Rain
	04/04/11 10:48 CST		0	Source: Trained Spotter
Street flooding occurred in the city limits.				
<p>Thunderstorms gradually intensified along and ahead of a cold front from Arkansas into southwest Illinois. The storms occurred in a moist and strongly sheared environment, resulting in line segments that produced a couple short swaths of wind damage.</p>				
PULASKI COUNTY --- 0.9 NW KARNAK [37.29, -88.98]				
	04/09/11 06:19 CST		0	Hail (0.88 in)
	04/09/11 06:19 CST		0	Source: Trained Spotter
WHITE COUNTY --- CROSSVILLE [38.17, -88.07]				
	04/09/11 07:00 CST		50K	Lightning
	04/09/11 07:00 CST		0	Source: Newspaper

Lightning struck a mobile home, starting a fire that destroyed it.

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WHITE COUNTY --- 2.0 N CROSSVILLE [38.20, -88.07]				
	04/09/11 07:02 CST		0	Lightning
	04/09/11 07:02 CST	2	0	Source: Newspaper
<p>A man and his son were struck by lightning while hunting. The lightning apparently struck the barrel of a shotgun being carried by the son. Both were hospitalized with minor to moderate injuries.</p> <p>An early morning mesoscale convective system crossed southern Illinois. The system formed along and south of a warm front that extended from central Missouri to the Lower Ohio Valley. An isolated storm produced nickel-size hail.</p>				
ALEXANDER COUNTY --- 2.0 SSE CAIRO [36.97, -89.17], 2.8 ESE CAIRO [36.99, -89.13], 1.2 S URBAN DALE [37.03, -89.18], 0.9 NE URBAN DALE [37.06, -89.17], 0.9 NNW URBAN DALE [37.06, -89.19], 1.5 SSW URBAN DALE [37.03, -89.19]				
	04/10/11 22:00 CST		40K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>The entire city of Cairo was placed under a mandatory evacuation order as the Ohio River approached the top of the levees protecting the city. Only about 40 people remained behind after the evacuation. Due to heavy rain and backed-up sewers, several blocks within the city experienced basement flooding despite being protected by levees. Most routes into and out of the city were blocked by flooding, including Route 3 to the north and both bridges to the south (over the Mississippi and Ohio Rivers).</p>				
GALLATIN COUNTY --- SHAWNEETOWN [37.70, -88.13], 2.7 SSW SHAWNEETOWN [37.67, -88.15], 2.8 E BOWLESVILLE [37.67, -88.17], 1.0 N SHAWNEETOWN [37.71, -88.13]				
	04/11/11 09:00 CST		0.20M	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>Sandbagging operations and some evacuations were conducted in Old Shawneetown, Equality, Junction, and New Haven. These communities are all affected by the Ohio River or its backwater coming up the Saline River. Pumps in Old Shawneetown were overwhelmed by rainwater runoff collecting on the dry side of the levee. This was responsible for considerable flooding in Old Shawneetown even before the Ohio River crested. A number of roads were closed, including the main road into Junction and Route 1. All roads into Old Shawneetown were blocked by authorities to prevent looting and interference from sightseers. A Red Cross shelter was opened in Shawneetown.</p>				
MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 2.8 S SHADY GROVE [37.08, -88.57], 0.3 SSE UNIONVILLE [37.12, -88.55], 0.7 NE BROOKPORT [37.13, -88.62], 0.6 NNE JOPPA [37.21, -88.85], 0.2 WNW JOPPA [37.20, -88.85], 0.6 SSW METROPOLIS [37.14, -88.74]				
	04/12/11 18:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>A voluntary evacuation of the city of Brookport was requested due to potential problems with its levees. Residents of Metropolis living in flood-prone areas within a few blocks of the river were asked to evacuate. This included all houses that were affected by the March, 1997 flood. A massive sandbagging operation was conducted to attempt to protect many homes and businesses along U.S. 45 from Interstate 24 to the downtown area of Metropolis, as well as Joppa. Shelters were opened for those who were displaced. A hotel-casino along the Metropolis riverfront was closed.</p>				
PULASKI COUNTY --- 3.2 SE NEW GRAND CHAIN [37.22, -88.97], 0.7 SSE OLMSTED [37.17, -89.08], 0.7 SE MOUND CITY [37.07, -89.16], 0.3 NW MOUND CITY [37.08, -89.17], 0.5 W OLMSTED [37.18, -89.09], 1.9 ESE NEW GRAND CHAIN [37.24, -88.99]				
	04/12/11 20:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
HARDIN COUNTY --- 1.4 SSW ROSICLARE [37.40, -88.36], 0.7 NNW ROSICLARE [37.43, -88.36], 1.6 SW PETERS CREEK [37.46, -88.25], 2.3 E ELIZABETHTOWN [37.45, -88.26]				
	04/14/11 15:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>The Ohio River created numerous problems. A couple of churches were sandbagged in Cave-In-Rock and Elizabethtown. Flood gates were installed at Rosiclare. Parks and other recreational facilities outside of the levee protection system were flooded. The ferry from Cave-In-Rock to Crittenden County, KY was shut down.</p>				
POPE COUNTY --- 1.8 NNW BAY CITY [37.27, -88.51], 1.7 SSE TANSILL [37.28, -88.52], 0.6 WNW GOLCONDA [37.38, -88.49], 0.6 ENE GOLCONDA [37.37, -88.47]				
	04/14/11 20:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage

Storm Data and Unusual Weather Phenomena - April 2011

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Due to Ohio River flooding, the floodgates were installed at Golconda. This required that all access roads into and out of Golconda be closed, since those roads pass through the floodwall openings. Schools and government offices were closed due to the effective shutdown of Golconda, the largest town in the county. The Golconda post office was moved to a temporary location outside of town. Residents of the tiny community of Hamlettsburg were evacuated. All the residents of Hall Town, which is an unprotected area outside the levee protection system, were evacuated.

The Ohio River began its upward climb toward historic levels. The river rose above flood stage about mid-month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. The river continued rising at the end of the month, cresting at historic levels in early May. Impacts of the May crest will be included in the May report. April ended up being the wettest month on record at Paducah, Kentucky. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley and southeast Missouri as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.

ALEXANDER COUNTY --- 2.3 ESE FAYVILLE [37.16, -89.39]

04/15/11 16:15 CST			0	Thunderstorm Wind (MG 52 kt)
04/15/11 16:15 CST			0	Source: Trained Spotter

UNION COUNTY --- 1.6 W JONESBORO [37.45, -89.30]

04/15/11 16:23 CST			0	Hail (0.75 in)
04/15/11 16:23 CST			0	Source: Trained Spotter

MASSAC COUNTY --- MERMET [37.27, -88.85]

04/15/11 16:24 CST			0	Hail (1.00 in)
04/15/11 16:24 CST			0	Source: Emergency Manager

PERRY COUNTY --- 0.3 SSE PINCKNEYVILLE [38.08, -89.38], 2.2 E PYATTS [38.00, -89.33]

04/15/11 16:24 CST			50K	Thunderstorm Wind (MG 56 kt)
04/15/11 16:24 CST			0	Source: Emergency Manager

A wind gust to 64 mph was measured on Highway 152. A large tree fell on a house in Pinckneyville. The uprooted tree fell onto the back room of the house. A hole was punctured in the roof, and a shed was damaged.

UNION COUNTY --- ANNA [37.47, -89.25]

04/15/11 16:25 CST			25K	Thunderstorm Wind (EG 52 kt)
04/15/11 16:25 CST			0	Source: Newspaper

Trees were knocked down on a couple houses and vehicles.

PULASKI COUNTY --- 0.9 NE MOUND CITY [37.09, -89.16], ULLIN [37.27, -89.18]

04/15/11 16:28 CST			0	Hail (1.00 in)
04/15/11 16:36 CST			0	Source: Emergency Manager

ALEXANDER COUNTY --- 2.3 ESE FAYVILLE [37.16, -89.39]

04/15/11 16:30 CST			4K	Thunderstorm Wind (MG 52 kt)
04/15/11 16:30 CST			0	Source: Trained Spotter

Tree limbs were blown down.

PERRY COUNTY --- 1.8 WNW SUNFIELD [38.08, -89.26]

04/15/11 16:34 CST			0	Hail (0.88 in)
04/15/11 16:34 CST			0	Source: Trained Spotter

JACKSON COUNTY --- 0.7 N BOSKYDELL [37.68, -89.22]

04/15/11 16:36 CST			0	Hail (0.88 in)
04/15/11 16:36 CST			0	Source: Emergency Manager

JOHNSON COUNTY --- 2.3 WSW SANDBURN [37.49, -88.89], VIENNA [37.42, -88.90]

04/15/11 16:36 CST			0	Hail (0.88 in)
04/15/11 16:40 CST			0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

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JACKSON COUNTY --- 0.7 S CARBONDALE [37.71, -89.22]				
	04/15/11 16:40 CST		0	Hail (1.00 in)
	04/15/11 16:40 CST		0	Source: Trained Spotter
WILLIAMSON COUNTY --- 1.3 WNW WOLF CREEK [37.63, -89.07]				
	04/15/11 16:42 CST		0	Hail (1.00 in)
	04/15/11 16:42 CST		0	Source: Trained Spotter
WILLIAMSON COUNTY --- CARTERVILLE [37.75, -89.08], MARION [37.73, -88.93]				
	04/15/11 16:47 CST		0	Thunderstorm Wind (EG 61 kt)
	04/15/11 16:53 CST		0	Source: Trained Spotter
A wind gust to 60 mph was measured at Marion. A trained spotter estimated a wind gust to 70 mph at Carterville.				
WILLIAMSON COUNTY --- 0.7 N CARTERVILLE [37.76, -89.08], MARION [37.73, -88.93]				
	04/15/11 16:49 CST		0	Hail (1.00 in)
	04/15/11 16:53 CST		0	Source: Amateur Radio
FRANKLIN COUNTY --- 0.6 W WEST FRANKFORT [37.90, -88.93], 1.0 N BENTON [38.01, -88.92]				
	04/15/11 16:50 CST		6K	Thunderstorm Wind (EG 52 kt)
	04/15/11 17:05 CST		0	Source: Trained Spotter
Wind gusts were estimated up to 60 mph by a trained spotter near West Frankfort. A couple of trees and power lines were down just north of Benton.				
FRANKLIN COUNTY --- ZEIGLER [37.90, -89.05]				
	04/15/11 16:59 CST		0	Hail (2.00 in)
	04/15/11 16:59 CST		0	Source: Law Enforcement
Golf ball to hen egg size hail was reported.				
WILLIAMSON COUNTY --- HERRIN [37.80, -89.03], HAFER [37.78, -89.03]				
	04/15/11 16:59 CST		0	Hail (0.88 in)
	04/15/11 17:05 CST		0	Source: Trained Spotter
FRANKLIN COUNTY --- WEST FRANKFORT [37.90, -88.92], 0.9 SE THOMPSONVILLE [37.91, -88.76]				
	04/15/11 17:02 CST		0	Hail (1.00 in)
	04/15/11 17:10 CST		0	Source: Trained Spotter
WILLIAMSON COUNTY --- 0.6 W MARION [37.73, -88.94]				
	04/15/11 17:03 CST		0	Hail (1.00 in)
	04/15/11 17:03 CST		0	Source: Trained Spotter
Quarter size hail fell near Johnson City.				
MASSAC COUNTY --- 2.4 SSE ROUND KNOB [37.22, -88.73], MERMET [37.27, -88.85]				
	04/15/11 17:13 CST		0	Hail (0.88 in)
	04/15/11 17:23 CST		0	Source: Trained Spotter
SALINE COUNTY --- 6.0 W HARRISBURG [37.73, -88.66], GALATIA [37.83, -88.62]				
	04/15/11 17:14 CST		0	Hail (0.75 in)
	04/15/11 17:25 CST		0	Source: Trained Spotter
SALINE COUNTY --- STONEFORT [37.62, -88.72], 0.7 N HARRISBURG [37.74, -88.55]				
	04/15/11 17:39 CST		0	Hail (1.00 in)
	04/15/11 17:44 CST		0	Source: Emergency Manager
Quarter-size hail fell in Stonefort and Carrier Mills. Nickel-size hail occurred in Harrisburg.				

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MASSAC COUNTY --- 1.1 E METROPOLIS [37.15, -88.71]				
	04/15/11 17:40 CST		0	Hail (1.00 in)
	04/15/11 17:49 CST		0	Source: Trained Spotter
HAMILTON COUNTY --- 0.7 S MC LEANSBORO [38.09, -88.53]				
	04/15/11 17:42 CST		0	Hail (0.75 in)
	04/15/11 17:42 CST		0	Source: Emergency Manager
<p>A broken line of quasi-discrete storms intensified as it moved across the Mid Mississippi Valley into a destabilizing atmosphere. A relatively narrow plume of richer low level moisture characterized by upper 50's dew points moved north into southern Illinois. As an upper level storm system approached the region, cold temperatures aloft fostered hail growth in the stronger storms.</p>				
JACKSON COUNTY --- VERGENNES [37.90, -89.33]				
	04/19/11 19:30 CST		15K	Thunderstorm Wind (EG 70 kt)
	04/19/11 19:30 CST		0	Source: Unknown
<p>Windows were blown out of a house.</p>				
JACKSON COUNTY --- MURPHYSBORO [37.77, -89.33], (MDH)CRBNDL/MRFYSBRO [37.78, -89.25]				
	04/19/11 19:31 CST		30K	Thunderstorm Wind (MG 57 kt)
	04/19/11 19:35 CST		0	Source: ASOS
<p>A wind gust to 66 mph was measured by wind equipment at the Carbondale/Southern Illinois airport. In Murphysboro, a few trees were uprooted. One of the trees landed on a storage shed. Another large tree fell across a street, blocking it. Some tree limbs and power lines were down.</p>				
PERRY COUNTY --- 0.9 WSW PYATTS [38.00, -89.39], 3.0 E DU QUOIN [38.02, -89.17]				
	04/19/11 19:34 CST		1M	Thunderstorm Wind (MG 76 kt)
	04/19/11 19:40 CST	2	0	Source: Emergency Manager
<p>Extensive damage occurred in the DuQuoin area. Two concentrated areas of damage were observed. The first area extended northeastward into the southwest portion of DuQuoin. Another concentrated area was southeast of DuQuoin. Wind gusts were measured at three separate locations south and southwest of DuQuoin. The measurements were 88 mph, 66 mph, and 61 mph. The wind gust to 66 mph was measured at the DuQuoin/Perry County airport. Emergency management personnel reported that 55 single family dwellings were damaged, including six that were extensively damaged and one that was a total loss. The majority of these homes received only shingle loss or minor roof damage. One mobile home was damaged, and six businesses were damaged. Six barns were damaged, and three other barns were destroyed. The majority of the damaged and destroyed structures were in the DuQuoin area. There was widespread damage to trees and power lines, as well. Two 69,000-volt transmission lines that feed the city were brought down. The entire city of DuQuoin was without power after the storm for more than 12 hours. Power was restored to the downtown area about 24 hours later. Numerous poles were brought down, some by trees falling on wires.</p>				
JACKSON COUNTY --- 1.8 W ELKVILLE [37.90, -89.26], 1.2 NE DOWELL [37.94, -89.21]				
	04/19/11 19:35 CST		70K	Tornado (EF0, L: 3.94 mi , W: 100 yd)
	04/19/11 19:40 CST		0	Source: NWS Storm Survey
<p>The weak tornado destroyed several carports, a small camper, and a small garage in Dowell. Numerous trees were uprooted. Numerous homes and barns received some roof damage. An amateur radio tower was bent over. Peak winds were estimated near 75 mph. The average path width was 50 yards.</p>				
JACKSON COUNTY --- CARBONDALE [37.72, -89.22]				
	04/19/11 19:36 CST		1.20M	Thunderstorm Wind (EG 70 kt)
	04/19/11 19:36 CST		0	Source: Emergency Manager
<p>About one-third of the roof was blown off a brand new police station, landing on three nearby homes. The police station suffered water damage, and the nearby homes were heavily damaged. There were numerous trees and power lines blown down in the city. On the Southern Illinois University campus, windows were broken at an academic building, and a tree landed on a residence hall. Carbondale city schools were closed the following day since thousands of utility customers remained without power.</p>				
PERRY COUNTY --- 2.4 SW PINCKNEYVILLE [38.05, -89.41]				
	04/19/11 19:36 CST		40K	Thunderstorm Wind (EG 61 kt)
	04/19/11 19:36 CST		0	Source: Newspaper
<p>The roof of a house was heavily damaged.</p>				
FRANKLIN COUNTY --- 1.2 SW ROYALTON [37.86, -89.14], 0.9 SW ROYALTON [37.86, -89.13]				

Storm Data and Unusual Weather Phenomena - April 2011

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	04/19/11 19:40 CST		80K	Tornado (EF1, L: 0.30 mi , W: 50 yd)
	04/19/11 19:41 CST		0	Source: NWS Storm Survey

One home had partial roof loss. Several other homes received either roof or structural damage due to trees falling. Several large branches were driven into the side of a house and barn. Peak winds were estimated near 100 mph. The average path width was 50 yards.

FRANKLIN COUNTY --- ZEIGLER [37.90, -89.05]

04/19/11 19:40 CST	10K	Thunderstorm Wind (EG 56 kt)
04/19/11 19:40 CST	0	Source: Trained Spotter

Car ports were blown over. Winds were estimated from 60 to 70 mph.

WILLIAMSON COUNTY --- HAFER [37.78, -89.03], CRAINVILLE [37.75, -89.07]

04/19/11 19:41 CST	0.10M	Thunderstorm Wind (EG 61 kt)
04/19/11 19:41 CST	0	Source: Trained Spotter

Wind gusts were estimated from 60 to 70 mph in the Carterville area. A gas station canopy was damaged. A communications tower was blown down. Trees were uprooted, and several homes received damage in Crainville. Tree limbs fell on a car. The area was without power.

FRANKLIN COUNTY --- MULKEYTOWN [37.97, -89.12], VALIER [38.02, -89.05]

04/19/11 19:42 CST	70K	Thunderstorm Wind (EG 78 kt)
04/19/11 19:44 CST	0	Source: Trained Spotter

The roof was blown off a house in Mulkeytown. In Valier, a large tree crashed through the roof of a house.

FRANKLIN COUNTY --- SESSER [38.10, -89.05], 0.6 NNE REND LAKE SOUTH [38.09, -88.97]

04/19/11 19:47 CST	0.10M	Thunderstorm Wind (EG 65 kt)
04/19/11 19:49 CST	0	Source: Trained Spotter

Widespread damage occurred to trees and power lines. Utility poles were snapped along Illinois 154. Twelve utility poles were floating in Rend Lake next to the Route 154 causeway.

WILLIAMSON COUNTY --- HERRIN [37.80, -89.03]

04/19/11 19:48 CST	50K	Thunderstorm Wind (EG 61 kt)
04/19/11 19:48 CST	0	Source: Trained Spotter

Trees were snapping, and power was out. Two trees landed on houses. Two trees in the front yards of houses landed on a chain link fence.

FRANKLIN COUNTY --- 0.2 N BENTON [38.00, -88.92]

04/19/11 19:49 CST	10K	Tornado (EF1, L: 0.15 mi , W: 50 yd)
04/19/11 19:49 CST	0	Source: NWS Storm Survey

Extremely large oak trees were snapped 30 feet off the ground and thrown several yards and left intertwined. Other large trees were uprooted, and a fence was damaged. Peak winds in this brief tornado were estimated near 105 mph.

JEFFERSON COUNTY --- 1.8 SW INA [38.13, -88.92]

04/19/11 19:50 CST	15K	Thunderstorm Wind (EG 56 kt)
04/19/11 19:50 CST	0	Source: Newspaper

At Rend Lake College, the right field wall of the baseball field was blown down. A handful of trees were uprooted.

JOHNSON COUNTY --- BUNCOMBE [37.47, -88.97]

04/19/11 19:50 CST	40K	Thunderstorm Wind (MG 83 kt)
04/19/11 19:50 CST	0	Source: Trained Spotter

There were numerous reports of downed tree limbs and power lines. Some shingles were blown off houses.

JEFFERSON COUNTY --- SCHELLER [38.18, -89.10], WALTONVILLE [38.22, -89.05]

04/19/11 19:51 CST	20K	Thunderstorm Wind (EG 56 kt)
04/19/11 19:51 CST	0	Source: Newspaper

Numerous tree limbs and power lines blocked Highway 148 near Waltonville. Another tree was lying across a street in Waltonville, and a funeral home was damaged. A tree blocked railroad tracks near Scheller, and the roof of a barn was blocking a nearby street.

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FRANKLIN COUNTY --- BENTON [38.00, -88.92], WEST FRANKFORT [37.90, -88.92]				
	04/19/11 19:54 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	04/19/11 19:54 CST		0	Source: Trained Spotter
<p>In Benton, about one-quarter of the roof of an apartment complex was lifted off. There was extensive rainwater damage to an apartment. At least a dozen trees and power lines were blown down throughout Benton. Three trees fell on power lines or across roadways. Power was restored to most customers within 12 hours. In West Frankfort, numerous trees and limbs were down. A few streets were blocked.</p>				
JEFFERSON COUNTY --- MT VERNON [38.32, -88.90]				
	04/19/11 19:54 CST		60K	Thunderstorm Wind (EG 52 kt)
	04/19/11 19:54 CST		0	Source: Newspaper
<p>Some trees and tree limbs were blown down. There were about a dozen tree limbs that landed on power lines or blocked roads. One tree landed on a residence. On Interstate 57, a semi was overturned at the north split to Interstate 64.</p>				
JEFFERSON COUNTY --- WOODLAWN [38.33, -89.03]				
	04/19/11 19:54 CST		15K	Thunderstorm Wind (EG 56 kt)
	04/19/11 19:54 CST		0	Source: Newspaper
<p>Near Woodlawn, a semi was overturned on Interstate 64 at mile marker 61. A tree and power lines were down across a street in Woodlawn.</p>				
JOHNSON COUNTY --- WEST VIENNA [37.43, -88.97]				
	04/19/11 19:55 CST		20K	Thunderstorm Wind (MG 65 kt)
	04/19/11 19:55 CST		0	Source: Trained Spotter
<p>Several trees were blown down west of the city limits. There was an unconfirmed report of a measured wind gust to 104 mph in the area.</p>				
JEFFERSON COUNTY --- 1.1 WNW DIX [38.43, -88.95], DIX [38.43, -88.93]				
	04/19/11 20:00 CST		18K	Thunderstorm Wind (EG 61 kt)
	04/19/11 20:00 CST		0	Source: Trained Spotter
<p>Trees and power lines were blown down. Doors were torn off pole barns. On Interstate 57, a semi was blown over at the 103 mile marker.</p>				
POPE COUNTY --- GOLCONDA [37.37, -88.48], 1.7 SSW GOLCONDA [37.35, -88.49]				
	04/19/11 20:00 CST		40K	Heavy Rain
	04/19/11 22:00 CST		0	Source: Newspaper
<p>A secondary road was washed out at the site of a large culvert.</p>				
JEFFERSON COUNTY --- 2.7 NW MT VERNON [38.35, -88.94], 4.5 NNE MT VERNON [38.38, -88.87]				
	04/19/11 20:03 CST		70K	Tornado (EF1, L: 4.27 mi , W: 100 yd)
	04/19/11 20:07 CST		0	Source: NWS Storm Survey
<p>There was shingle damage to houses. Awnings and overhangs were destroyed. Many trees were snapped or uprooted. In the immediate vicinity of the tornado damage path, straight-line winds from the same storm damaged the roof and chimney of a house. Peak winds were around 105 mph. The average path width was 90 yards.</p>				
JEFFERSON COUNTY --- 1.5 SE BLUFORD [38.31, -88.73], 2.7 ESE BLUFORD [38.32, -88.70]				
	04/19/11 20:06 CST		90K	Tornado (EF1, L: 1.43 mi , W: 100 yd)
	04/19/11 20:08 CST		0	Source: NWS Storm Survey
<p>Many trees were snapped or uprooted. A hay barn was partially pushed over. An old wooden barn was destroyed. A newer wood-frame equipment shed was nearly destroyed. A house roof was heavily damaged, with loosening of roof decking. In the immediate vicinity of the tornado, straight-line winds from the same storm caused a large tree to fall on the roof of a house. Peak winds were near 110 mph. The average path width was 80 yards.</p>				
JEFFERSON COUNTY --- 2.6 SW BELLE RIVE [38.20, -88.76], 2.4 ENE OPDYKE [38.27, -88.74]				
	04/19/11 20:07 CST		50K	Thunderstorm Wind (EG 74 kt)
	04/19/11 20:07 CST		0	Source: NWS Storm Survey
<p>Numerous trees were blown down. A large open-ended farm building near exit 89 along Interstate 64 was destroyed.</p>				
SALINE COUNTY --- HARRISBURG [37.73, -88.55]				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/19/11 20:07 CST		0.10M	Thunderstorm Wind (MG 61 kt)
	04/19/11 20:07 CST		0	Source: Fire Department/Rescue

Buildings in the downtown area suffered minor damage, such as pieces of roofing blown off. Two windows of a downtown storefront were broken. Scaffolding around a downtown commercial building was blown down. A carport blew into a power line. A chimney was blown down. An antenna tower used for fire department radio communications was blown over. Many trees were blown down, including a few on power lines.

POPE COUNTY --- GLENDALE [37.45, -88.67], 0.9 SW HEROD [37.57, -88.44]

04/19/11 20:08 CST	0.10M	Thunderstorm Wind (EG 70 kt)
04/19/11 20:15 CST	0	Source: Newspaper

Near the intersection of Highways 147 and 145, the roof of a house was heavily damaged. A large portion of the shingles were stripped off, and seven large trees were snapped off or uprooted. One of the largest trees landed on the house. A machine shed used to store a camper was destroyed, along with a smaller shed. A few other houses in the area sustained relatively minor siding and shingle damage. There were numerous reports of downed tree limbs and power lines.

SALINE COUNTY --- 1.4 ESE BEULAH HGTS [37.79, -88.45], 1.6 E ELDORADO [37.82, -88.40]

04/19/11 20:08 CST	0.25M	Thunderstorm Wind (EG 70 kt)
04/19/11 20:10 CST	0	Source: Newspaper

Extensive damage occurred just to the south and east of Eldorado. A tree fell across a house, a barn and a grain bin were destroyed, and a mobile home was flipped over. Some roofs were damaged in the Eldorado area. Three power poles were knocked across Illinois Route 142. Trees were blown down, including some that landed across roads. Due to tree and power line damage, much of Eldorado was without power into the following day.

HAMILTON COUNTY --- WALPOLE [37.93, -88.55], 4.0 NNE FEAKEYVILLE [38.03, -88.36]

04/19/11 20:10 CST	0	Thunderstorm Wind (EG 104 kt)
04/19/11 20:20 CST	0	Source: NWS Storm Survey

An intense macroburst struck southeast Hamilton County with winds up to 120 mph. The average path width was four miles. Numerous homes were damaged. Dozens of barns, sheds, and other structures were damaged or destroyed. Many hundreds of trees were uprooted. Power lines were blown down.

WAYNE COUNTY --- 1.0 ENE MIDDLETON [38.30, -88.65], 2.6 WNW MAYBERRY [38.29, -88.59]

04/19/11 20:10 CST	0.10M	Thunderstorm Wind (EG 75 kt)
04/19/11 20:15 CST	0	Source: Trained Spotter

A mobile home that was not tied down was blown away. A few farm sheds were damaged near the Jefferson County line. Telephone poles were snapped near Keenes.

WAYNE COUNTY --- 1.0 S KEENES [38.32, -88.63]

04/19/11 20:11 CST	0	Hail (0.88 in)
04/19/11 20:11 CST	0	Source: Emergency Manager

ALEXANDER COUNTY --- 0.7 N THEBES JCT [37.21, -89.45], MILLER CITY [37.12, -89.37]

04/19/11 20:15 CST	20K	Thunderstorm Wind (EG 52 kt)
04/19/11 20:19 CST	0	Source: Trained Spotter

Trees and power lines were down on Illinois Route 3 near Thebes. Trees and power lines were down in the Horseshoe Lake area.

WHITE COUNTY --- NORRIS CITY [37.98, -88.32]

04/19/11 20:17 CST	0.15M	Thunderstorm Wind (EG 61 kt)
04/19/11 20:17 CST	0	Source: Newspaper

The rubber roofing was blown off the high school gym in Norris City. The gym was further damaged by rainwater. Falling trees damaged several homes in the area. A metal carport was flipped over.

HAMILTON COUNTY --- 6.0 SE MC LEANSBORO [38.04, -88.45], 8.0 ESE MC LEANSBORO [38.06, -88.39]

04/19/11 20:19 CST	0.15M	Tornado (EF1, L: 3.36 mi , W: 150 yd)
04/19/11 20:24 CST	0	Source: NWS Storm Survey

Hundreds of trees were uprooted, and a small grain bin was destroyed. Peak winds were estimated near 90 mph. The average path width was 150 yards.

WHITE COUNTY --- 1.9 NNW SACRAMENTO [38.06, -88.35], 1.2 NNW TRUMBULL [38.10, -88.24]

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/19/11 20:20 CST		0	Thunderstorm Wind (EG 104 kt)
	04/19/11 20:30 CST		0	Source: NWS Storm Survey

An intense macroburst about four miles wide continued northeast from southeast Hamilton County into western White County. One home had its roof blown off about five miles north of Norris City just west of U.S. Highway 45. Near Enfield, a mobile home was overturned. Peak winds were estimated near 120 mph. Numerous homes were damaged. Dozens of barns, sheds, and other structures were damaged or destroyed. Many hundreds of trees were uprooted. Power lines were blown down.

WAYNE COUNTY --- JOHNSONVILLE [38.52, -88.53], 1.0 E CISNE [38.52, -88.41]

	04/19/11 20:21 CST		60K	Thunderstorm Wind (MG 56 kt)
	04/19/11 20:29 CST		0	Source: Emergency Manager

Six homes received minor damage in Johnsonville. A wind gust to 64 mph was measured near Cisne. Numerous trees and limbs were damaged.

GALLATIN COUNTY --- 3.0 NNW RIDGWAY [37.82, -88.29], 5.4 ENE COTTONWOOD [37.91, -88.13]

	04/19/11 20:22 CST		2M	Thunderstorm Wind (EG 78 kt)
	04/19/11 20:30 CST		0	Source: NWS Storm Survey

A large swath of very damaging straight-line winds, associated with a bow echo on radar, affected north and east Gallatin County. The damage swath was mostly over sparsely populated farm country, except where it struck New Haven. Winds were estimated around 90 mph over much of the area. Some barns were destroyed or damaged, including partial loss of roofs and walls. Grain storage equipment was damaged, including upending and destruction of several grain bins. One grain bin was blown into vehicles and onto a house, damaging the house roof. Some metal storage sheds were damaged or destroyed. Many large trees were uprooted, and a number of large tree trunks were snapped. There was shingle, siding, and antenna damage at some residences. One mobile home was shifted off piers and one was overturned. Utility pole crossarms were snapped, and poles were blown over.

HARDIN COUNTY --- 0.1 SSW HUBBARDS STORE [37.53, -88.40]

	04/19/11 20:22 CST		5K	Thunderstorm Wind (EG 52 kt)
	04/19/11 20:22 CST		0	Source: Newspaper

Some trees were down on Illinois Route 34.

WAYNE COUNTY --- FAIRFIELD [38.38, -88.37], BARNHILL [38.28, -88.37]

	04/19/11 20:24 CST		90K	Thunderstorm Wind (EG 70 kt)
	04/19/11 20:24 CST		0	Source: Newspaper

Numerous trees and limbs were blown down. In Fairfield, a large tree landed on a house, and a structure containing three businesses was heavily damaged. In the Barnhill area, a 30-by-40 foot building was destroyed.

WHITE COUNTY --- 1.7 NNW CONCORD [37.99, -88.13], 2.9 N CONCORD [38.01, -88.11]

	04/19/11 20:28 CST		2M	Tornado (EF2, L: 1.80 mi , W: 125 yd)
	04/19/11 20:32 CST		0	Source: NWS Storm Survey

This tornado several miles southeast of Carmi severely damaged two farms. Over a dozen grain bins were destroyed. One of the grain bins followed a curved path that crossed a fence twice. A seven-ton truck that was parked in a shed was overturned onto its side. An equipment shed was unroofed. Windows were blown out on all sides of a large, multi-story house. The house sustained considerable loss of roofing material and collapse of a non load-bearing wall. Several objects in the house were found across the street, including a mirror and curtains. Power poles were snapped. Irrigation pivots were overturned. The pattern of flattened corn stubble indicated convergent winds in a field. Peak winds were estimated near 130 mph. The average path width was 125 yards.

UNION COUNTY --- COBDEN [37.53, -89.25], ALTO PASS [37.57, -89.33]

	04/19/11 20:30 CST		20K	Thunderstorm Wind (EG 56 kt)
	04/19/11 20:35 CST		0	Source: Trained Spotter

A trained spotter estimated winds gusted to 65 mph. Numerous trees were blown down, knocking out power to Cobden and Alto Pass. Some minor damage was reported to a small number of structures.

WAYNE COUNTY --- 5.2 SE FAIRFIELD [38.33, -88.30], 9.2 NE FAIRFIELD [38.47, -88.25]

	04/19/11 20:30 CST		0.40M	Tornado (EF2, L: 10.57 mi , W: 150 yd)
	04/19/11 20:37 CST	2	0	Source: NWS Storm Survey

One house was destroyed, with part of the roof removed and separation of some walls. A machine shed and several grain bins were destroyed. About a dozen power poles were snapped. Dozens of trees were snapped or uprooted. A tank was blown about 150 yards. An outbuilding was blown across Route 15. The average path width was 100 yards. Peak winds were estimated near 120 mph.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WHITE COUNTY --- 1.8 N EPWORTH [38.10, -88.10], 1.8 WSW GARNERVILLE [38.11, -88.08]				
	04/19/11 20:30 CST		0.30M	Tornado (EF1, L: 1.44 mi , W: 100 yd)
	04/19/11 20:32 CST		0	Source: NWS Storm Survey
A house lost the entire roof, and most windows were broken. A trailer home was blown a couple of feet off its foundation. Two to three grain bins were blown less than a hundred yards away. Utility poles were snapped. Numerous trees were snapped or uprooted. Peak winds were estimated around 110 mph. The average path width was 100 yards.				
WHITE COUNTY --- CARMI [38.08, -88.17], CROSSVILLE [38.17, -88.07]				
	04/19/11 20:30 CST		0.50M	Thunderstorm Wind (EG 78 kt)
	04/19/11 20:38 CST		0	Source: Trained Spotter
A swath of damaging straight-line winds around 90 mph extended from Carmi northeast to Crossville. In Carmi and Crossville, there was widespread damage to trees and power lines. Numerous power poles were snapped. Sections of the metal walls of a large warehouse type building in Carmi were peeled back on the south and west sides. A mobile home was knocked off its foundation in Carmi. Much of the city was without power for 36 to 48 hours. Part of the roof was blown off the high school. Uprooted trees fell across homes and vehicles. A carport was blown into trees. In Crossville, numerous trees and limbs were blown down on every street. Some trees landed on houses and vehicles. A mobile home was demolished about a mile east of Crossville.				
WHITE COUNTY --- 2.8 N EMMA [38.01, -88.10]				
	04/19/11 20:32 CST		0.15M	Thunderstorm Wind (EG 104 kt)
	04/19/11 20:32 CST		0	Source: NWS Storm Survey
About six miles southeast of Carmi at the intersection of County Roads 900N and 1500E, an intense downburst with winds near 120 mph struck. This downburst was a short distance east of the end of an EF-2 tornado track. A large equipment shed was unroofed, and an exterior wall collapsed. Two parked flatbed trailers were overturned. Dozens of trees were uprooted or snapped along a fence row. The damage area was only about one-third of a mile long and 400 yards wide.				
WHITE COUNTY --- CARMI MUNI ARPT [38.10, -88.15]				
	04/19/11 20:32 CST		50K	Thunderstorm Wind (EG 70 kt)
	04/19/11 20:32 CST		0	Source: NWS Storm Survey
A cropduster was flipped at the Carmi airport.				
WHITE COUNTY --- MAUNIE [38.03, -88.05]				
	04/19/11 20:33 CST		20K	Thunderstorm Wind (EG 70 kt)
	04/19/11 20:33 CST		0	Source: Trained Spotter
Ten power poles were down, along with trees and power lines.				
EDWARDS COUNTY --- 0.6 WSW BLOOD [38.52, -88.14], 5.0 ENE WEST SALEM [38.56, -87.94]				
	04/19/11 20:34 CST		1M	Thunderstorm Wind (EG 78 kt)
	04/19/11 20:44 CST		0	Source: Newspaper
Widespread major damage occurred across the county. An insurance agent reported over 450 claims to his office alone. The 100-foot tall steeple of an old historic church in West Salem was toppled. The steeple punctured a hole in the roof as it fell. A house in West Salem suffered major damage when a large oak tree fell on it. West Salem firefighters worked through the following day to clear streets of downed trees. Elsewhere in northern Edwards County, a house was partially unroofed. Trees were uprooted, and power lines were down. Numerous grain bins, machine sheds, and outbuildings were damaged or destroyed.				
WHITE COUNTY --- GRAYVILLE [38.27, -88.00]				
	04/19/11 20:42 CST		40K	Thunderstorm Wind (EG 56 kt)
	04/19/11 20:42 CST		0	Source: Newspaper
Many trees were toppled.				
WABASH COUNTY --- 4.2 W KEENSBURG [38.35, -87.95], 1.0 N MT CARMEL [38.43, -87.77]				
	04/19/11 20:48 CST		2.50M	Tornado (EF2, L: 11.25 mi , W: 250 yd)
	04/19/11 20:55 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Three steel towers carrying high-voltage power lines were bent or partially collapsed. A single wide mobile home was demolished. The frame was blown about 50 yards but was not bent. There was curvature in the debris field. A grain bin was blown one mile into a tree line, and three other grain bins were destroyed. Machine sheds were unroofed, with some walls collapsing. Barns were destroyed, and hundreds of trees were uprooted or snapped. Power poles were snapped. There was minor to moderate damage to house roofs. The tornado reached EF-2 intensity in sparsely populated areas. Where it crossed through the north and west part of Mount Carmel near the end of its path, the tornado weakened to EF-1 intensity. The damage in Mount Carmel consisted of numerous uprooted and snapped trees, moderate roof damage to at least 4 or 5 houses, and destroyed sheds. In the vicinity of where the tornado crossed Route 15, damage was minimal, consisting of just a few downed trees. Peak winds were near 125 mph. The average path width was about 100 yards.</p>				
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ALEXANDER COUNTY --- OLIVE BRANCH [37.17, -89.35]				
	04/19/11 20:49 CST		50K	Thunderstorm Wind (MG 83 kt)
	04/19/11 20:49 CST		0	Source: Emergency Manager
<p>Numerous trees and power lines were down.</p>				
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WABASH COUNTY --- 3.6 W ALLENDALE [38.53, -87.79], 3.6 NW ALLENDALE [38.57, -87.77]				
	04/19/11 20:53 CST		50K	Tornado (EF1, L: 2.75 mi , W: 125 yd)
	04/19/11 20:56 CST		0	Source: NWS Storm Survey
<p>A mobile home was rolled. Numerous large and mature trees were snapped and uprooted. Power poles were down. Siding was blown off a house. The well-defined path extended through dense cedar and pine groves, where nearly every tree was snapped or uprooted. A back porch was blown off. Peak winds were estimated around 110 mph.</p>				
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WABASH COUNTY --- 1.9 SE ALLENDALE [38.51, -87.69], 2.0 E ALLENDALE [38.53, -87.68]				
	04/19/11 20:54 CST		50K	Thunderstorm Wind (EG 78 kt)
	04/19/11 20:56 CST		0	Source: NWS Storm Survey
<p>On the east side of Route 1, there were swaths of wind damage caused by apparent microbursts. An unattached garage was demolished. A grain bin was destroyed. A house roof sustained considerable shingle loss. Numerous trees were snapped or uprooted.</p>				
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PULASKI COUNTY --- OLMSTED [37.18, -89.08]				
	04/19/11 21:00 CST		30K	Thunderstorm Wind (EG 56 kt)
	04/19/11 21:00 CST		0	Source: Emergency Manager
<p>The roof was blown off an old barn. A small shed was tossed around.</p>				
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MASSAC COUNTY --- ROUND KNOB [37.25, -88.75], 1.1 E METROPOLIS [37.15, -88.71]				
	04/19/11 21:20 CST		13K	Thunderstorm Wind (MG 54 kt)
	04/19/11 21:30 CST		0	Source: Trained Spotter
<p>At Round Knob, a wind gust to 62 mph was measured. There were numerous measured winds from 50 to 60 mph for an hour, along with heavy rain and three separate hail events. There was wind damage to siding and an exterior door of a house. A few trees were down in Metropolis. Scattered large tree limbs were blown down in the New Columbia and Big Bay areas.</p>				
<p>Thunderstorms organized into a bow echo that produced widespread very damaging winds and isolated tornadoes. A shortwave trough over the central and southern high Plains moved northeast through the Mid-Mississippi Valley into the upper Great Lakes. A surface low attendant to this system moved from west central Missouri northeast to north of St. Louis. The trailing cold front advanced southeast across the Lower Ohio Valley and served as the primary focus for thunderstorms.</p>				
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ALEXANDER COUNTY --- THEBES [37.22, -89.47], OLIVE BRANCH [37.17, -89.35], 1.9 NE MILLER CITY [37.14, -89.34], 0.8 WSW WILLARD [37.07, -89.36], 1.0 S FAYVILLE [37.16, -89.43]				
	04/21/11 05:00 CST		50K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>Major flooding was in progress on the Mississippi River by the end of the month. The river continued rising into early May. There were voluntary evacuations of communities outside of levee protection systems, such as Olive Branch. The communities of Tamms, Olive Branch, and Miller City were isolated by floodwaters. Many homes in those communities were sandbagged, but most of the homes ended up being flooded. Lower portions of the community of Thebes were inundated. The National Guard was requested to assist with sandbagging residences. A water main break caused interruptions in the drinking water supply.</p>				
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UNION COUNTY --- 2.8 ENE WARE [37.47, -89.35], 3.1 SW WOLF LAKE [37.47, -89.48], 1.6 WSW REYNOLDSVILLE [37.36, -89.43], 3.2 W SPRINGVILLE [37.37, -89.33]				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/21/11 05:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Newspaper

Major flooding occurred along the Mississippi River. All access roads to the Mississippi River levees were closed. Backwater from the Mississippi River contributed to flooding of Clear Creek. One family was evacuated by boat.

JACKSON COUNTY --- GRAND TOWER [37.63, -89.50], 1.4 SSW GRAND TOWER [37.61, -89.51], 1.5 SSE GRAND TOWER [37.61, -89.49], 0.8 ESE GRAND TOWER [37.63, -89.49]

	04/21/11 07:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Newspaper

Major flooding occurred along the Mississippi River. A voluntary evacuation of the community of Grand Tower was requested, partly due to a leak in a levee along the Big Muddy River. Grand Tower sits at the confluence of the Big Muddy and Mississippi Rivers.

The Mississippi River rose above flood stage late in the month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. The river continued rising past the end of the month. Impacts of the May crest will be included in the May report. April ended up being the wettest month on record at Paducah, Kentucky. Rainfall at Cape Girardeau was over 20 inches for the month. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.

WHITE COUNTY --- MAUNIE [38.03, -88.05], 0.6 ENE MAUNIE [38.03, -88.04], 2.1 E MAUNIE [38.03, -88.01], 1.6 NNE RISING SUN [38.02, -88.02]

	04/22/11 10:00 CST		10K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage

Sandbagging began to prevent Wabash River floodwaters from entering the Grayville water plant. Several homes in Grayville were threatened by rising water.

WABASH COUNTY --- MT CARMEL [38.42, -87.77], 2.1 S PATTON [38.45, -87.75], 2.0 SSE PATTON [38.45, -87.74], 1.4 E MT CARMEL [38.42, -87.74]

	04/22/11 11:00 CST		10K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage

Sandbagging was started to reinforce levees along the Wabash River.

The Wabash River began its upward trek toward record high levels. The river crested at a record crest in early May at Mount Carmel. Details on the impact of the record crest will be included in the May report. The April-May 2011 flood began to form in early April. There were four rainfall events during the first half of the month that set the stage for major flooding. Rainfall during each of these events was from one to as much as four inches. Almost daily barrages of heavy rain occurred from the 19th to the end of the month as a front stalled near the Ohio River.

JACKSON COUNTY --- 1.0 E CARBONDALE [37.72, -89.20]

	04/22/11 19:33 CST		0	Hail (0.75 in)
	04/22/11 19:33 CST		0	Source: Trained Spotter

PULASKI COUNTY --- 0.9 NW KARNAK [37.29, -88.98]

	04/22/11 20:35 CST		0	Hail (0.75 in)
	04/22/11 20:35 CST		0	Source: Trained Spotter

MASSAC COUNTY --- 2.4 SSE ROUND KNOB [37.22, -88.73], METROPOLIS [37.15, -88.73]

	04/22/11 20:56 CST		0	Thunderstorm Wind (MG 66 kt)
	04/22/11 21:01 CST		0	Source: Emergency Manager

A wind gust to 76 mph was measured near Round Knob. An estimated wind gust to 60 mph occurred in Metropolis.

JACKSON COUNTY --- CARBONDALE [37.72, -89.22], 0.3 E CARBONDALE [37.72, -89.22], 1.1 NNE CARBONDALE [37.74, -89.22], 1.1 N CARBONDALE [37.74, -89.22]

	04/23/11 01:08 CST		0	Flash Flood (due to Heavy Rain)
	04/23/11 04:00 CST		0	Source: Emergency Manager

One and one-half feet of water was over a city street a block east of U.S. Highway 51. The street was closed to all traffic. The flash flooding was caused by a slow-moving line of storms with torrential rainfall rates of two to three inches per hour.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Bands and clusters of strong to severe thunderstorms produced isolated reports of damaging winds. A fast-moving upper level trough tracked east-northeastward from the central Plains into the upper Midwest. Strong south-southwesterly low level winds across the Mississippi Valley transported Gulf moisture rapidly northward. Thunderstorms increased along and south of a warm front draped across southern Illinois extending into northern Kentucky.

ALEXANDER COUNTY --- 0.5 WNW CAIRO ARPT [37.07, -89.23], 2.4 ESE CAIRO ARPT [37.06, -89.18]

04/23/11 13:15 CST	0.70M	Tornado (EF2, L: 2.90 mi , W: 175 yd)
04/23/11 13:19 CST	0	Source: NWS Storm Survey

At the Cairo Regional Airport, a twenty-foot tall hangar was completely destroyed, along with two light aircraft and a camper. The debris was blown onto airport runways. The airport manager was an eyewitness to the tornado and noted an anemometer reading of 118 mph. One mobile home was destroyed on Route 3. Several trees were snapped or uprooted, along with minor to moderate roof damage on two homes. In Urbandale, large trees damaged two trailers and one house. Peak winds were measured near 120 mph at the airport. The average path width was 150 yards.

MASSAC COUNTY --- 2.4 S CHOAT [37.18, -88.79], 3.4 ENE METROPOLIS [37.17, -88.68]

04/23/11 13:47 CST	0.45M	Tornado (EF1, L: 6.64 mi , W: 250 yd)
04/23/11 13:59 CST	0	Source: NWS Storm Survey

The tornado began along the Ohio River, where power poles were damaged at a barge-loading facility. Further east along the track, the roof was blown off a trailer, and some roof and utility pole damage occurred at an industrial complex. Portable buildings were destroyed and a trailer was overturned just east of the industrial complex. On the north end of Metropolis, several trees were blown down. There was tree damage to at least one garage, two homes, and two vehicles. There was minor roof damage to two other homes. Several utility poles were snapped. Near Interstate 24, part of the metal roof was torn off a large building in an industrial park. One trailer was overturned. One barn was heavily damaged. Peak winds were estimated near 110 mph. The average path width was 225 yards.

WILLIAMSON COUNTY --- HERRIN [37.80, -89.03], 1.4 SW CHITTYVILLE [37.82, -89.05], 0.6 WSW HERRIN JCT [37.82, -89.01], 1.3 ENE HAFER [37.79, -89.01]

04/23/11 19:40 CST	0	Flash Flood (due to Heavy Rain)
04/23/11 22:00 CST	0	Source: Trained Spotter

At least a foot of water was over four to five intersections in Herrin.

FRANKLIN COUNTY --- 0.6 W WEST FRANKFORT [37.90, -88.93], 1.3 WNW WEST FRANKFORT [37.90, -88.94], 1.5 SW WEST FRANKFORT [37.89, -88.94], 0.6 S WEST FRANKFORT [37.89, -88.92]

04/23/11 20:20 CST	0	Flash Flood (due to Heavy Rain)
04/24/11 02:30 CST	0	Source: Trained Spotter

Flooding was up to the doors of cars on Highway 37 and on a city street.

PERRY COUNTY --- PINCKNEYVILLE [38.08, -89.38]

04/23/11 21:34 CST	0	Heavy Rain
04/23/11 23:00 CST	0	Source: Trained Spotter

Two to three inches of water was on highways.

Bands of thunderstorms developed along a surface cold front extending from northern Arkansas northeastward along the Ohio River. Relatively strong diurnal heating occurred south of the front, where mixed-layer cape values increased to around 1500 j/kg. Steep mid-level lapse rates and rather strong deep-layer wind shear promoted a few supercell structures within these bands of storms.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Photo of the EF-2 tornado near Cairo, Illinois courtesy of Bill McClarney of Thebes Illinois.

FRANKLIN COUNTY --- PLUMFIELD [37.88, -89.00], 1.9 NNW ORIENT [37.95, -88.99], 1.4 SE URBAIN [37.96, -89.01], 2.2 SSW ZEIGLER [37.87, -89.07], 3.7 SE ROYALTON [37.84, -89.06]

04/24/11 08:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Due to flooding of the Big Muddy River, Illinois Route 148 was closed south of Zeigler, as was County Highway 11.

JACKSON COUNTY --- 2.9 WNW MT CARBON [37.76, -89.38], 0.2 SSW MT CARBON [37.75, -89.33], 0.3 NNW MT CARBON [37.75, -89.33], 2.3 WSW MURPHYSBORO [37.76, -89.37]

04/24/11 08:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Floodwaters from the Big Muddy River rose steadily. Residents of a trailer park between Illinois Route 13 and the river were asked to evacuate. Flooding approached a Murphysboro neighborhood.

The Big Muddy River began its upward trend toward record flooding. The river rose above flood stage late in the month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. The river continued rising past the end of the month. Impacts of the May crest will be included in the May report. April ended up being the wettest month on record at Paducah, Kentucky. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALEXANDER COUNTY --- CACHE [37.10, -89.27], 0.2 ENE SANDUSKY [37.20, -89.28], 1.9 NE THEBES JCT [37.22, -89.42], 1.1 W ROTH [37.10, -89.34]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
JACKSON COUNTY --- AVA [37.88, -89.50], 0.8 N NEUNERT [37.73, -89.55], 0.7 E HOWARDTON [37.63, -89.46], 1.8 S BOSKYDELL [37.64, -89.22], 1.2 NNE ELKVILLE [37.91, -89.22]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
JOHNSON COUNTY --- BELKNAP [37.32, -88.93], 0.4 ENE JOPPA JCT [37.33, -89.02], 1.8 NW GOREVILLE [37.57, -89.00], 1.1 ENE NEW BURNSIDE [37.59, -88.75], 1.1 SE GANN TOWN [37.36, -88.76]				
	04/24/11 09:00 CST		10K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
MASSAC COUNTY --- BIG BAY [37.32, -88.72], 1.7 WSW SHADY GROVE [37.11, -88.60], 1.1 N JOPPA [37.22, -88.85], 3.3 NE BOAZ [37.33, -88.86]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
POPE COUNTY --- ABBOTT [37.57, -88.70], 1.2 WNW HARTS STORE [37.56, -88.49], 1.3 N GOLCONDA [37.39, -88.48], 5.3 NW NEW LIBERTY [37.17, -88.53], 1.3 WNW DIXON SPGS STATION [37.35, -88.70]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
PULASKI COUNTY --- AMERICA [37.13, -89.12], 0.4 SW MOUND CITY [37.08, -89.17], 2.4 W ULLIN [37.27, -89.22], 1.1 N KARNAK [37.30, -88.97]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
UNION COUNTY --- ALDRIDGE [37.55, -89.47], 1.4 N REYNOLDSVILLE [37.39, -89.40], 3.2 NE DONGOLA [37.40, -89.13], 2.5 WNW PROGRESS [37.59, -89.17]				
	04/24/11 09:00 CST		0.10M	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
WILLIAMSON COUNTY --- ABSHER [37.68, -88.73], 3.1 E CORINTH [37.82, -88.72], 1.1 ENE BUSH [37.84, -89.11], 3.9 NW WOLF CREEK [37.66, -89.09]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
EDWARDS COUNTY --- 5.6 SSE BROWNS [38.30, -87.95], 3.7 E WEST SALEM [38.52, -87.95], 0.4 WSW BLOOD [38.52, -88.14], 4.9 SE ELLERY [38.30, -88.09]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
FRANKLIN COUNTY --- AKIN [37.98, -88.75], 1.4 NNE KEGLEY [37.85, -88.74], 1.6 ESE ROYALTON [37.86, -89.09], 1.8 NW SESSER [38.12, -89.08], 1.1 S FRISCO [38.10, -88.78]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
GALLATIN COUNTY --- 2.4 SW SHAWNEETOWN [37.67, -88.15], 6.3 NE INMAN [37.90, -88.09], 1.5 NNW OMAHA [37.90, -88.31], 1.5 NNW KEDRON [37.69, -88.34]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
HAMILTON COUNTY --- ADEN [38.23, -88.47], 2.4 NW FEAKEYVILLE [38.00, -88.43], 1.8 SW BROUGHTON [37.91, -88.48], 4.9 SW RURAL HILL [37.92, -88.71], 2.8 W DAHLGREN [38.19, -88.73]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HARDIN COUNTY --- CADIZ [37.58, -88.22], 1.4 S LOVES STORE [37.56, -88.28], 1.8 WSW ELIZABETHTOWN [37.44, -88.33], 3.4 SSE LAMB [37.49, -88.09]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
JEFFERSON COUNTY --- BAKERVILLE [38.25, -88.90], 1.6 E SCHELLER [38.18, -89.07], 2.1 NE ROACHES [38.35, -89.06], 2.0 W DIVIDE [38.45, -88.87]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
PERRY COUNTY --- CLINCH [37.97, -89.23], 2.3 SW WILLISVILLE [37.95, -89.60], 2.0 WSW SWANWICK [38.16, -89.56], 2.7 NNE TAMAROA [38.16, -89.20]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
SALINE COUNTY --- BANLICK [37.82, -88.70], 1.7 N ELDORADO [37.84, -88.43], 3.9 SSE RUDEMENT [37.58, -88.45], 1.1 NE STONEFORT [37.63, -88.70]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
WABASH COUNTY --- ADAMS CORNER [38.52, -87.75], 1.0 SSE KEENSBURG [38.34, -87.86], 1.9 NNW COWLING [38.35, -87.94], 2.3 SW LANCASTER [38.53, -87.90]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
WAYNE COUNTY --- BARNHILL [38.28, -88.37], 4.9 SSW ELLERY [38.29, -88.19], 1.1 E MT ERIE [38.52, -88.21], 0.5 NE ZENITH [38.55, -88.61], 2.9 SSE KEENES [38.29, -88.61]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
WHITE COUNTY --- BALL [38.15, -88.28], 1.7 NE NORRIS CITY [38.00, -88.30], 3.0 SSW RISING SUN [37.96, -88.05], 1.7 E CALVIN [38.20, -87.99]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
<p>Widespread heavy rainfall from 8 to 14 inches occurred during the last week of April. At the Carbondale airport, a rainfall total of 11.01 inches was measured from April 22-30. This excessive rainfall caused most creeks and streams to flood for an extended period of time. Some of the flooding was major. A disaster proclamation was issued by the governor of Illinois due to the damage from flooding and severe storms. The National Guard was deployed to assist with sandbagging and other operations. Numerous roads were flooded and closed across southern Illinois, including some major state roads. A number of bridges were underwater, including ten in Union County alone. Just a few of the small rivers that caused damaging floods included the Little Cache River at Vienna and the Saline River at Harrisburg. In each case, the flood damage was relatively low compared to the March, 2008 flood. A few water rescues were conducted, including a residence evacuated by boat in the Harrisburg area.</p>				
WHITE COUNTY --- 1.4 SSE CARMI MUNI ARPT [38.08, -88.14], 3.8 N HERALD [38.03, -88.18], 2.6 E BROWNSVILLE [38.03, -88.20], MILL SHOALS [38.25, -88.35]				
	04/24/11 11:00 CST		10K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>Due to flooding of the Little Wabash River, several low-lying streets in Carmi were closed. Some sandbagging was done in Mill Shoals.</p>				
<p>The Little Wabash River began its upward trend toward a major flooding event. The river rose above flood stage late in the month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. The river continued rising past the end of the month. Impacts of the May crest will be included in the May report. April ended up being the second wettest April on record at Evansville. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.</p>				
JOHNSON COUNTY --- BUNCOMBE [37.47, -88.97]				
	04/24/11 23:10 CST		0	Hail (1.00 in)
	04/24/11 23:10 CST		0	Source: Trained Spotter

Several clusters of thunderstorms occurred along a nearly stationary surface front that extended from northern Arkansas northeast

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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across the Lower Ohio Valley. Within a belt of 500-1500 j/kg mixed-layer cape and along the southern fringe of the stronger mid level flow, a few storms produced some rotation and large hail.

WAYNE COUNTY --- WAYNE CITY [38.35, -88.58], 0.7 NE WAYNE CITY [38.36, -88.57], 3.0 E BARNHILL [38.28, -88.32], 1.1 WSW BARNHILL [38.27, -88.39], 2.6 NNE MAYBERRY [38.30, -88.53]

04/25/11 13:00 CST	0	Flood (due to Heavy Rain)
04/30/11 19:00 CST	0	Source: River/Stream Gage

Major flooding occurred on the Skillet Fork River. At the Wayne City gage, the river crested at 22.88 feet on April 28. This was the fifth highest reading on record. At least one home was sandbagged east of Route 45 in the Mill Shoals area.

Major flooding occurred on the Skillet Fork River. A series of heavy rainfall events forced the river upward to its 5th highest crest on record. April ended up being the second wettest April on record at Evansville. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.

JACKSON COUNTY --- 0.9 NW ELKVILLE [37.91, -89.24]

04/25/11 18:38 CST	0	Thunderstorm Wind (MG 51 kt)
04/25/11 18:38 CST	0	Source: Trained Spotter

UNION COUNTY --- 3.5 ENE WOLF LAKE [37.52, -89.37], 1.4 SE POTTSVILLE [37.41, -89.35], 1.1 ENE BALCOM [37.43, -89.18], 2.4 ESE COBDEN [37.51, -89.21]

04/25/11 21:55 CST	0.25M	Flash Flood (due to Heavy Rain)
04/25/11 23:30 CST	0	Source: Emergency Manager

Three small bridges were washed out. The bridges were on secondary roads off Highway 127, Highway 146, and Highway 51. Numerous roads were underwater or impassable across the county, including Illinois Route 146 near Ware. Several families were evacuated from their houses. Flash flooding of Clear Creek closed a local road. The Jonesboro community center was damaged by water.

PERRY COUNTY --- 1.1 W PINCKNEYVILLE [38.08, -89.40], 0.4 SSE WINKLE [38.15, -89.48], 2.5 E DENMARK [38.00, -89.45], 1.3 NW PYATTS [38.01, -89.39]

04/25/11 22:44 CST	0	Flash Flood (due to Heavy Rain)
04/25/11 23:40 CST	0	Source: Trained Spotter

A bridge was underwater west of Pinckneyville, and traffic was re-routed.

FRANKLIN COUNTY --- 1.4 SE URBAIN [37.96, -89.01], 0.7 S EZRA [37.87, -88.97], 1.6 S FRANKFORT HGTS [37.88, -88.90], 2.5 NW DEERING CITY [37.94, -88.92]

04/25/11 22:50 CST	0	Flash Flood (due to Heavy Rain)
04/25/11 23:45 CST	0	Source: Emergency Manager

Flash flooding was reported in West Frankfort.

A surface low pressure center developed northeastward from south central Oklahoma to southwest Missouri. A gradual increase in the warm sector southerly low level jet occurred as the surface low deepened. Increasing vertical wind shear in the moist and unstable warm sector supported the development of short lines of thunderstorms with embedded lewps and supercell structures.

UNION COUNTY --- 0.6 E ALTO PASS [37.57, -89.32]

04/27/11 13:20 CST	0	Hail (1.00 in)
04/27/11 13:20 CST	0	Source: Trained Spotter

JEFFERSON COUNTY --- BLUFORD [38.33, -88.75]

04/27/11 15:48 CST	0	Hail (0.88 in)
04/27/11 15:48 CST	0	Source: Trained Spotter

HAMILTON COUNTY --- DAHLGREN [38.20, -88.68]

04/27/11 16:00 CST	0	Heavy Rain
04/27/11 16:20 CST	0	Source: Trained Spotter

A trained spotter reported 1.78 inches of rain in 20 minutes.

WILLIAMSON COUNTY --- 3.0 SE MARION [37.70, -88.89]

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/27/11 16:22 CST		0	Funnel Cloud
	04/27/11 16:22 CST		0	Source: Trained Spotter
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JEFFERSON COUNTY --- DIX [38.43, -88.93], 2.0 NW BOYD [38.44, -89.05], 1.9 SSE ROACHES [38.30, -89.07], 1.1 WNW BELLE RIVE [38.23, -88.75]				
	04/27/11 18:40 CST		0	Flash Flood (due to Heavy Rain)
	04/27/11 20:30 CST		0	Source: Trained Spotter

A number of local township roads were flooded and impassable.

A 994 mb surface low pressure center over north central Arkansas moved northeast along a quasi-stationary front into extreme southern Illinois. Lines and clusters of thunderstorms with embedded rotational signatures developed coincident with the surface low.

INDIANA, Southwest

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

04/03/11 09:00 CST	6K	Strong Wind (MAX 40 kt)
04/03/11 18:00 CST	0	

Strong southwest winds developed between low pressure approaching from the northwest and high pressure to the southeast. The winds gusted as high as 46 mph at Rockport in Spencer County. Some minor damage was reported. The roof was blown off a dugout in Evansville.

PIKE COUNTY --- PETERSBURG [38.50, -87.28], 0.9 N PETERSBURG [38.51, -87.28], 2.0 NNE PETERSBURG [38.52, -87.26], 1.2 NE PETERSBURG [38.51, -87.26]

04/09/11 08:00 EST	10K	Flood (due to Heavy Rain)
04/30/11 23:59 EST	0	Source: River/Stream Gage

At Petersburg, the White River crested at 26.75 feet on the 27th. Major flooding begins at 26 feet. The Dodge City area flooded extensively. Levees were monitored, but no major problems were reported. Numerous roads flooded. Flood waters approached State Road 56 near Bowman. Livestock were moved. Several bottomland roads were flooded, some by several feet of water. Flooded roads east of State Route 57 included County Roads 750N, 600N, and 1000E. Pike County roads flooded west of State Route 57 included County Roads 250W, 400W, 675N, 700N, 1000W, 900W, 700W, and 775W.

GIBSON COUNTY --- HAZLETON [38.48, -87.53], 1.1 NW HAZLETON [38.49, -87.54], 2.5 N HAZLETON [38.52, -87.53], 1.0 NNE HAZLETON [38.49, -87.53]

04/10/11 12:00 CST	30K	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

At Hazleton, the river crested at 29.00 feet on the 28th. Major flooding occurs at 28 feet. Boils occurred in the Hazleton levee. Extensive sandbagging was required to prevent levee failure. Local levees were at critical levels. Flood fighting and/or evacuations were in progress. Oil fields and residential areas on the river side of the levees flooded extensively. Many evacuations or relocations were necessary. Water was more than 2 feet deep in the west end of Hazleton. People in residential cabins on the riverward side of the levee relocated. Many local roads were completely impassable. Oil fields were inaccessible. Water pumps were installed on the west end of Hazleton. Extensive river flooding occurred in northern Gibson County. Numerous county roads were flooded.

The White River began its upward trek in mid-April, cresting above major flooding levels late in the month. Another slightly higher crest occurred in early May. The April-May 2011 flood began to form in early April. There were four rainfall events during the first half of the month that set the stage for major flooding. Rainfall during each of these events was from one to as much as four inches. Almost daily barrages of heavy rain occurred from the 19th to the end of the month as a front stalled near the Ohio River.

SPENCER COUNTY --- 0.5 W DALE [38.17, -86.99]

04/09/11 08:13 CST	0	Hail (0.75 in)
04/09/11 08:13 CST	0	Source: Trained Spotter

An early morning mesoscale convective system crossed southwest Indiana. The system formed along and south of a warm front that extended from central Missouri to the Lower Ohio Valley. Isolated storms produced dime-size hail.

SPENCER COUNTY --- ROCKPORT [37.88, -87.05], 0.5 ENE ROCKPORT [37.88, -87.04], 1.2 ENE AFRICA [37.84, -87.05], 0.9 NNE AFRICA [37.84, -87.06]

04/11/11 11:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Moderate flooding occurred on the Ohio River. Some agricultural land was flooded, forcing farmers to delay planting.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WARRICK COUNTY --- NEWBURGH [37.95, -87.42], 0.7 S NEWBURGH [37.94, -87.42], 2.8 ESE NEWBURGH [37.93, -87.38], 2.5 ESE NEWBURGH [37.94, -87.38]				
	04/11/11 15:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
Moderate flooding occurred on the Ohio River. At the Newburgh river gage, the river crested at 49.08 feet on the 29th. Part of Indiana Route 66 about one mile downriver from the dam was flooded. Highway 662 was flooded near the old lock and dam. Some low-lying agricultural land was flooded, forcing farmers to delay planting.				
POSEY COUNTY --- MT VERNON [37.93, -87.90], 0.3 E HOVEY [37.90, -87.92], 0.4 N HOVEY [37.91, -87.93], 0.6 SW MT VERNON [37.93, -87.91]				
	04/12/11 17:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		20K	Source: River/Stream Gage
Miles of farmland were submerged by the Ohio River, especially near the confluence of the flooded Wabash River.				
VANDERBURGH COUNTY --- 2.3 SSW EVANSVILLE [37.95, -87.57], 4.3 S EVANSVILLE [37.92, -87.53], 5.7 SE EVANSVILLE [37.91, -87.49], 4.6 SSE SMYTHE [37.94, -87.45]				
	04/15/11 09:00 CST		10K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
Ohio River floodwaters backed up into Pigeon Creek in Evansville. A truss bridge spanning Pigeon Creek at the mouth of the Ohio River was partially underwater. Widespread flooding of fields and some farm buildings occurred along Pigeon Creek near Interstate 164. A number of homes near Pigeon Creek were sandbagged. Some roads were underwater, mainly southwest of Evansville.				
The Ohio River rose above flood stage about mid-month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. From Evansville downriver past the Wabash, the river continued rising past the end of the month. Impacts of the May crest will be included in the May report. April ended up being the second wettest April on record at Evansville. Most of the rain fell during the latter half of the month. A persistent southwesterly flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.				
POSEY COUNTY --- 0.3 S GRIFFIN [38.20, -87.92], POSEYVILLE [38.17, -87.78]				
	04/19/11 20:38 CST		0.75M	Thunderstorm Wind (EG 78 kt)
	04/19/11 20:42 CST	1	0	Source: Trained Spotter
A machine shed was unroofed at exit 12 along Interstate 64. A tractor-trailer rig was blown off Interstate 64. The driver was slightly injured. At least a half dozen grain bins were destroyed, and at least a half dozen house roofs sustained moderate to major damage. Dozens of houses received minor roof damage. Several farms in the Griffin area sustained damage. Trees, barns, and sheds were blown down. Three mobile homes were destroyed in the Wadesville area. A few farm buildings were destroyed in the New Harmony area.				
POSEY COUNTY --- MT VERNON [37.93, -87.90]				
	04/19/11 20:38 CST		0.15M	Thunderstorm Wind (EG 70 kt)
	04/19/11 20:38 CST		0	Source: Trained Spotter
In the Mount Vernon area, several houses received moderate to major roof damage. At least a dozen others received minor roof damage. A mobile home was moved off its foundation, and another mobile home lost its entire roof. Several large trees were blown down in the city limits.				
GIBSON COUNTY --- OWENSVILLE [38.27, -87.68], 0.7 N PRINCETON [38.36, -87.57]				
	04/19/11 20:50 CST		80K	Thunderstorm Wind (EG 78 kt)
	04/19/11 21:00 CST		0	Source: Trained Spotter
A home was heavily damaged near Owensville. Telephone poles were snapped and trees were down along old State Highway 65 near Princeton.				
VANDERBURGH COUNTY --- 0.5 E EVANSVILLE [37.98, -87.54], 0.4 WSW ERSKIN [38.05, -87.54]				
	04/19/11 20:52 CST		0.10M	Thunderstorm Wind (MG 66 kt)
	04/19/11 20:59 CST		0	Source: ASOS
Widespread damage to trees and power lines occurred. A tree fell across a car, trapping a man inside.				
GIBSON COUNTY --- 0.5 E FT BRANCH [38.25, -87.57]				
	04/19/11 20:58 CST		0	Thunderstorm Wind (MG 51 kt)
	04/19/11 20:58 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GIBSON COUNTY --- 1.4 N OAKLAND CITY [38.35, -87.35]				
	04/19/11 21:06 CST		0	Hail (1.00 in)
	04/19/11 21:06 CST		0	Source: Trained Spotter
SPENCER COUNTY --- 1.0 N HATFIELD [37.91, -87.22], 2.6 NE LAKE MILL [37.96, -87.09]				
	04/19/11 21:12 CST		60K	Thunderstorm Wind (EG 70 kt)
	04/19/11 21:15 CST		0	Source: Trained Spotter
A roof was blown off near Hatfield. Significant damage was reported to a house between Chrisney and Hatfield. The occupants were trapped but not injured. A water rescue team was called to the house due to three to four feet of water surrounding it. State Route 161 was blocked by downed trees.				
SPENCER COUNTY --- 0.9 NE NEW BOSTON [38.06, -86.81]				
	04/19/11 21:35 CST		25K	Thunderstorm Wind (EG 70 kt)
	04/19/11 21:35 CST		0	Source: Trained Spotter
Near New Boston, a barn was destroyed, and trees were down.				
PIKE COUNTY --- 0.5 E WINSLOW [38.38, -87.21], 1.6 NNW VELPEN [38.37, -87.12]				
	04/19/11 22:12 EST		50K	Thunderstorm Wind (EG 61 kt)
	04/19/11 22:12 EST		0	Source: Trained Spotter
Large trees were uprooted along Highway 57. Some trees blocked roads countywide.				
Thunderstorms organized into lines and bows that produced numerous reports of very damaging winds. A shortwave trough over the central and southern high Plains moved northeast through the Mid-Mississippi Valley into the upper Great Lakes. A surface low attendant to this system moved from west central Missouri northeast to north of St. Louis. The trailing cold front advanced southeast across the Lower Ohio Valley and served as the primary focus for thunderstorms.				
GIBSON COUNTY --- EAST MT CARMEL [38.40, -87.73], 1.0 NW EAST MT CARMEL [38.41, -87.74], 1.3 W EAST MT CARMEL [38.40, -87.75], 0.6 WSW EAST MT CARMEL [38.40, -87.74]				
	04/22/11 06:00 CST		10K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		20K	Source: River/Stream Gage
Extensive flooding of farmland occurred near the Wabash River, especially near the confluence with the flooded White River.				
POSEY COUNTY --- NEW HARMONY [38.13, -87.93], 1.4 NNE NEW HARMONY [38.15, -87.92], 1.2 NNE NEW HARMONY [38.15, -87.93], 0.6 NW NEW HARMONY [38.14, -87.94]				
	04/22/11 08:00 CST		10K	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
The National Guard assisted with sandbagging efforts along the Wabash River in the New Harmony area. Miles of farmland were flooded near the confluence of the Wabash and Ohio Rivers, both of which were well above flood stage.				
The Wabash River began its upward trek toward record high levels. The river crested at a record crest in early May at Mount Carmel. Details on the impact of the record crest will be included in the May report. The April-May 2011 flood began to form in early April. There were four rainfall events during the first half of the month that set the stage for major flooding. Rainfall during each of these events was from one to as much as four inches. Almost daily barrages of heavy rain occurred from the 19th to the end of the month as a front stalled near the Ohio River.				
POSEY COUNTY --- POSEYVILLE [38.17, -87.78]				
	04/22/11 21:00 CST		0	Heavy Rain
	04/22/11 22:30 CST		0	Source: Trained Spotter
Street flooding was common. Two inches of rain was reported.				
POSEY COUNTY --- 0.9 SW STEWARTSVILLE [38.17, -87.84]				
	04/22/11 23:43 CST		0	Hail (1.00 in)
	04/22/11 23:43 CST		0	Source: Trained Spotter
GIBSON COUNTY --- 0.7 N OAKLAND CITY [38.34, -87.35]				
	04/23/11 01:28 CST		0	Hail (0.88 in)
	04/23/11 01:28 CST		0	Source: Broadcast Media

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SPENCER COUNTY --- 2.2 E NEWTONVILLE [38.00, -86.91]				
	04/23/11 02:30 CST		0	Heavy Rain
	04/23/11 03:30 CST		0	Source: Law Enforcement
Water was over the roadway at the intersection of Highways 70 and 245. High water signs were posted.				
Bands and clusters of thunderstorms produced isolated large hail. A fast-moving upper level trough tracked east-northeastward from the central Plains into the upper Midwest. Strong south-southwesterly low level winds across the Mississippi Valley transported Gulf moisture rapidly northward. Thunderstorms increased along and south of a warm front draped across southern Illinois extending into northern Kentucky.				
PIKE COUNTY --- ALFORD [38.48, -87.25], 1.4 NNE BOWMAN [38.52, -87.34], 2.4 SSE BOWMAN [38.47, -87.34], 0.3 WNW CATO [38.43, -87.19]				
	04/23/11 11:15 EST		20K	Flash Flood (due to Heavy Rain)
	04/23/11 14:00 EST		0	Source: COOP Observer
Numerous county roads were nearly impassable. Creeks overflowed onto county roads. On State Route 364, a car became completely submerged. High water signs were posted on major thoroughfares such as State Routes 61 and 56.				
GIBSON COUNTY --- FT BRANCH [38.25, -87.58], 0.3 S MC GARY [38.27, -87.63], 1.9 S MC GARY [38.24, -87.63], 1.6 SE FT BRANCH [38.23, -87.56]				
	04/23/11 14:45 CST		0	Flash Flood (due to Heavy Rain)
	04/23/11 16:45 CST		0	Source: Law Enforcement
Numerous roads were flooded or closed in the Fort Branch area.				
Bands of thunderstorms developed along a surface cold front extending from northern Arkansas northeastward along the Ohio River. Relatively strong diurnal heating occurred south of the front, where mixed-layer cape values increased to around 1500 j/kg. Along and north of the front, training storms capable of producing flash flooding were the main hazard.				
GIBSON COUNTY --- 2.3 NNE GIRO [38.53, -87.46], 2.2 E MACKEY [38.26, -87.34], 2.9 S CRAWLEYVILLE [38.24, -87.83], 5.5 WNW HAZLETON [38.51, -87.62]				
	04/24/11 13:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
PIKE COUNTY --- 0.6 WSW IVY [38.50, -87.13], 2.3 NNW WHITE SULPHUR SPGS [38.41, -87.09], 1.4 SW GLEZEN [38.41, -87.32], 0.6 NNW BOWMAN [38.51, -87.35]				
	04/24/11 21:00 EST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 EST		0	Source: Trained Spotter
POSEY COUNTY --- 2.8 SW UPTON [37.94, -88.00], 3.3 S MARRS CENTER [37.90, -87.78], 1.5 NNE POSEYVILLE [38.19, -87.77], 0.8 WNW GRIFFIN [38.21, -87.93]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
SPENCER COUNTY --- AFRICA [37.83, -87.07], 1.9 WNW EUREKA [37.89, -87.25], 3.6 WSW PIGEON [38.08, -87.13], 2.9 NE MARIAH HILL [38.20, -86.88], 3.3 SE NEWTONVILLE [37.96, -86.91]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
VANDEBURGH COUNTY --- ARMSTRONG [38.12, -87.65], 1.3 W CYPRESS [37.92, -87.65], 4.0 S SMYTHE [37.94, -87.48], 0.8 NE ELLIOTT [38.13, -87.46]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
WARRICK COUNTY --- ASH IRON SPGS [38.03, -87.18], 1.8 ESE YANKEETOWN [37.91, -87.27], 0.6 WNW NEWBURGH [37.95, -87.43], 1.2 SE MILLERSBURG [38.09, -87.39], 1.5 E ELBERFELD [38.17, -87.42], 2.3 SW SCALESVILLE [38.20, -87.23]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter

Widespread heavy rainfall from 6 to 9 inches with locally higher amounts occurred during the last week of April. At Evansville, a total of 7.31 inches fell from April 22 to April 30. This excessive rainfall caused most creeks and small streams to flood for an extended period of time. Numerous roads were flooded and closed, including some major state roads. Due to vehicles driving into flooded areas, some

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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water rescues were conducted. Some evacuations were conducted, and homes were sandbagged. In southeast Gibson County, flooding along Pigeon Creek and Smith Fork forced the evacuation of at least one residence.

GIBSON COUNTY --- 0.9 SSE PATOKA [38.41, -87.57], 1.3 S PATOKA [38.40, -87.58], 2.1 SW PATOKA [38.39, -87.60], 1.8 SW PATOKA [38.40, -87.60]	04/24/11 17:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage

The Patoka River began its upward trend toward a record flood. The river rose above flood stage late in the month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. The river continued rising past the end of the month. Impacts of the May crest will be included in the May report. April ended up being the second wettest April on record at Evansville. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.

VANDERBURGH COUNTY --- 4.0 SE EVANSVILLE [37.94, -87.50]	04/26/11 00:58 CST		0	Thunderstorm Wind (EG 52 kt)
	04/26/11 00:58 CST		0	Source: Trained Spotter

A trained spotter estimated a wind gust to 60 mph.

WARRICK COUNTY --- NEWBURGH [37.95, -87.42]	04/26/11 00:58 CST		5K	Thunderstorm Wind (EG 52 kt)
	04/26/11 00:58 CST		0	Source: Trained Spotter

Five to ten large trees were down, including a few that were uprooted.

WARRICK COUNTY --- 4.5 NNW BOONVILLE [38.11, -87.30], 3.5 SE LYNNVILLE [38.16, -87.25]	04/26/11 01:02 CST		90K	Tornado (EF2, L: 4.53 mi , W: 300 yd)
	04/26/11 01:05 CST		0	Source: NWS Storm Survey

At the initial damage point just southwest of Greenbrier, many trees were snapped or uprooted. As the tornado crossed Highway 61, it demolished a barn and tossed the debris about 50 to 75 yards. Another barn was damaged, and numerous large trees were uprooted and snapped. Several homes suffered roof damage from both the wind and from trees or large branches falling on them. Three telephone poles were snapped on Highway 61. Parts of the damage path were over inaccessible, roadless coal mine property. Peak winds were estimated near 120 mph. The average path width was 300 yards.

PIKE COUNTY --- 0.6 WSW SPURGEON [38.25, -87.26], 0.3 NW SPURGEON [38.25, -87.25]	04/26/11 02:09 EST		0.11M	Tornado (EF1, L: 0.54 mi , W: 225 yd)
	04/26/11 02:10 EST		0	Source: NWS Storm Survey

The tornado began on Indiana Route 61 just south of Spurgeon. It travelled northeast across the eastern outskirts of Spurgeon. Numerous trees were snapped at the base. Several trees were uprooted. Several homes received minor roof damage. A barn was damaged, with debris carried a couple hundred yards. A small building was destroyed. Severe straight-line winds caused other damage throughout the town of Spurgeon. Peak winds were estimated near 105 mph. The average path width was 200 yards.

PIKE COUNTY --- 1.9 WNW COE [38.31, -87.28], 3.0 W VELPEN [38.35, -87.16]	04/26/11 02:15 EST		0.15M	Thunderstorm Wind (EG 74 kt)
	04/26/11 02:19 EST		0	Source: NWS Storm Survey

Hundreds of trees were either snapped or uprooted. Numerous homes received minor roof damage. The damage began about 3.5 miles east-southeast of Oakland City just east of the railroad tracks. Areas just south of Arthur were affected. The damage continued across Highway 61 and Highway 64, as well as areas on either side of County Road 364. The damage stayed south of the Patoka River. Peak winds were estimated around 85 mph.

A pronounced mid-level shortwave trough and associated 70 to 80 knot mid-level jet progressed northeastward from the southern Plains across Arkansas and Missouri. An associated surface low developed northeastward from southwest Missouri toward northwest Illinois. A gradual increase in the warm sector southerly low level jet occurred as the surface low deepened. Increasing vertical wind shear in the moist and unstable warm sector resulted in organized severe storms. The storms were organized into bowing lines with embedded supercell structures.

WARRICK COUNTY --- 1.1 E NEWBURGH [37.95, -87.40]	04/26/11 16:32 CST		20K	Hail (2.00 in)
	04/26/11 16:37 CST		0	Source: Trained Spotter

Mostly quarter to a few 2-inch diameter hailstones broke out a windshield on a car. There were two waves of large hail in five minutes.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WARRICK COUNTY --- 1.4 S BOONVILLE [38.03, -87.27], BOONVILLE [38.05, -87.27]				
	04/26/11 16:45 CST		0	Hail (1.75 in)
	04/26/11 16:52 CST		0	Source: Trained Spotter

Hail up to the size of golf balls covered the ground. This hailstorm was the same storm that struck Newburgh a short time earlier.

WARRICK COUNTY --- BOONVILLE [38.05, -87.27]				
	04/26/11 16:46 CST		0	Funnel Cloud
	04/26/11 16:46 CST		0	Source: Trained Spotter

Another mid-level shortwave trough translated quickly eastward across the southern Plains. This feature contributed to a severe weather outbreak in the Lower Ohio Valley. A zone of enhanced low-level warm advection near an intensifying low-level jet provided support for rather long-lived supercells.

KENTUCKY, Southwest

(KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN				
	04/03/11 09:00 CST		9K	Strong Wind (MAX 41 kt)
	04/03/11 18:00 CST		0	

Strong southwest winds developed between low pressure approaching from the northwest and high pressure to the southeast. The winds gusted as high as 47 mph at Owensboro. A large tree limb landed on a power line near Paducah, causing a power outage.

LIVINGSTON COUNTY --- 0.7 N SMITHLAND [37.14, -88.40]				
	04/04/11 06:45 CST		0	Hail (0.75 in)
	04/04/11 06:45 CST		0	Source: Emergency Manager

CALLOWAY COUNTY --- HAMLIN [36.60, -88.07]				
	04/04/11 09:00 CST		0	Heavy Rain
	04/04/11 11:00 CST		0	Source: Trained Spotter

Two inches of rain fell in an hour. There was localized street flooding.

BALLARD COUNTY --- 2.5 SW SLATER [36.99, -89.01], 1.5 E SLATER [37.02, -88.95]				
	04/04/11 09:18 CST		40K	Tornado (EF1, L: 3.72 mi , W: 200 yd)
	04/04/11 09:22 CST		0	Source: NWS Storm Survey

Two barns were levelled on Highway 1345. Numerous trees were snapped or uprooted. Peak winds were estimated near 90 mph. Average path width was about 175 yards.

BALLARD COUNTY --- SLATER [37.02, -88.98], 1.5 NNE CEREDO [37.05, -88.87]				
	04/04/11 09:20 CST		0.70M	Tornado (EF2, L: 6.42 mi , W: 300 yd)
	04/04/11 09:27 CST	1	0	Source: NWS Storm Survey

Near Hinkleville, a man was trapped in a 60 by 80 foot farm building that was destroyed. He received four broken ribs. The roof was removed from a two-story house, and the garage was levelled. Several other homes sustained roof damage, including one with partial roof loss. Two mobile homes were overturned. Two large chicken barns about 45 feet wide by 250 yards long were destroyed, and two others were heavily damaged. Numerous farm buildings were destroyed, along with some grain bins. Dozens of large trees were snapped or uprooted. A mobile home was shifted slightly off its foundation at the end of the track along the McCracken County line. While damage was predominantly caused by the tornado, some damage southeast of Hinkleville was caused by straight-line winds. Peak winds were near 120 mph. Average path width was 250 yards.

MCCRACKEN COUNTY --- 1.5 SE WOODVILLE [37.09, -88.86], 1.9 NE GRAHAMVILLE [37.12, -88.75]				
	04/04/11 09:29 CST		40K	Thunderstorm Wind (EG 61 kt)
	04/04/11 09:35 CST		0	Source: Emergency Manager

Across western McCracken County, a porch roof was blown off, speed limit signs were down, and tree limbs were down. A carport was wrapped around a tree. The damage was mostly north and west of Barkley Regional Airport.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCCRACKEN COUNTY --- 0.8 NW HEATH [37.09, -88.81], 0.7 N HEATH [37.09, -88.80]				
	04/04/11 09:30 CST		30K	Tornado (EF0, L: 0.51 mi , W: 50 yd)
	04/04/11 09:31 CST		0	Source: NWS Storm Survey
A brief touchdown occurred. The roof of a long metal farm building was lifted across a farm house. Two vehicles parked in a building were heavily damaged. Large tree limbs were down. Peak winds were estimated near 75 mph.				
MCCRACKEN COUNTY --- PADUCAH [37.08, -88.63]				
	04/04/11 09:32 CST		0	Thunderstorm Wind (MG 55 kt)
	04/04/11 09:32 CST		0	Source: Trained Spotter
A 63 mph wind gust was measured at the mall on the west side of Paducah.				
MCCRACKEN COUNTY --- (PAH)BARKLEY ARPT PA [37.07, -88.77]				
	04/04/11 09:33 CST		0	Thunderstorm Wind (MG 53 kt)
	04/04/11 09:33 CST		0	Source: ASOS
A wind gust to 61 mph was measured by the ASOS at the Paducah airport.				
MCCRACKEN COUNTY --- 1.1 ENE MAXON [37.09, -88.71]				
	04/04/11 09:45 CST		10K	Lightning
	04/04/11 09:45 CST	1	0	Source: Emergency Manager
A trained spotter was taking shelter during a tornado warning with two other individuals. After the storm, while coming out of their place of shelter, lightning struck a few feet above her. The lightning sent showers of sparks and burned a hole in the building she was standing beside. The lightning threw her ten feet from a sidewalk onto a gravel drive, causing some scratches and bruises.				
MARSHALL COUNTY --- 1.3 ESE HARVY [36.81, -88.40]				
	04/04/11 09:59 CST		0	Hail (0.75 in)
	04/04/11 09:59 CST		0	Source: Trained Spotter
TRIGG COUNTY --- 1.0 W CADIZ [36.87, -87.84], CADIZ [36.87, -87.82]				
	04/04/11 10:44 CST		20K	Thunderstorm Wind (MG 59 kt)
	04/04/11 10:48 CST		0	Source: Trained Spotter
A wind gust to 68 mph was measured at a local radio station. A gust to 65 mph was measured on the west side of Cadiz. Trees were blown down.				
HOPKINS COUNTY --- 0.9 NE ROMNEY [37.16, -87.46]				
	04/04/11 10:46 CST		0	Funnel Cloud
	04/04/11 10:46 CST		0	Source: Trained Spotter
MUHLENBERG COUNTY --- 1.0 S GREENVILLE [37.19, -87.18], CLEATON [37.25, -87.08]				
	04/04/11 10:55 CST		0.10M	Tornado (EF1, L: 7.08 mi , W: 150 yd)
	04/04/11 11:02 CST		0	Source: Law Enforcement
The tornado struck first at a mobile home park on U.S. Highway 62 on the south side of Greenville. One mobile home was overturned and destroyed. Three people were injured. Two of the injuries were slight. Another mobile home was blown off its foundation. A camper trailer was overturned. Several houses sustained shingle damage. Trees and limbs were blown down along the entire path. The average path width was 100 yards. Peak winds were estimated near 109 mph.				
CHRISTIAN COUNTY --- FEARSVILLE [36.98, -87.35]				
	04/04/11 11:02 CST		10K	Thunderstorm Wind (EG 68 kt)
	04/04/11 11:02 CST		0	Source: NWS Storm Survey
A garage type building formerly used as a car wash was unroofed, and a wall partially collapsed. An unoccupied trailer was blown over.				
CHRISTIAN COUNTY --- 6.5 SE HOPKINSVILLE [36.78, -87.40], 3.2 NE PEMBROKE [36.81, -87.31]				
	04/04/11 11:04 CST		2M	Tornado (EF2, L: 5.26 mi , W: 200 yd)
	04/04/11 11:10 CST	7	0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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The tornado path began along U.S. Highway 41 at a large auto parts manufacturing plant. The industrial warehouse type building was heavily damaged on the north and west sides. Large sections of roof up to 100 by 400 feet were removed. Small sections of exterior walls were peeled back or blown in. A rooftop hvac unit was blown off the building. There were seven injuries to workers inside the plant, mostly due to flying objects. One worker required overnight hospitalization. Some of the injuries included a broken jaw and broken foot. In front of the industrial building on U.S. 41, steel utility poles were bent almost to the ground. The remainder of the path was mostly through open farm country. Several barns were destroyed, and metal roofs were off two homes. Dozens of trees were uprooted. Observers at Fort Campbell reported seeing a rotating wall cloud about the time of the tornado. Peak winds were estimated near 130 mph. The average path width was 150 yards.

Thunderstorms gradually intensified along and ahead of a cold front from Arkansas into western Kentucky. The storms occurred in a moist and strongly sheared environment, resulting in a combination of line segments and supercells which evolved into a quasi-linear convective system. There were isolated tornadoes, along with a couple small swaths of damaging winds.



Photo of the interior of the automotive parts plant struck by an EF-2 tornado. Sections of walls and roofing were torn from the building. Several workers inside the plant were injured by flying debris. NWS Photo.

MUHLENBERG COUNTY --- PARADISE [37.27, -86.98], 0.4 WSW PARADISE [37.27, -86.99], 2.1 SE MARTWICK [37.31, -87.00], 2.4 N PARADISE [37.30, -86.99]

04/12/11 09:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Rising Green River floodwaters closed a few roads.

MCLEAN COUNTY --- CALHOUN [37.53, -87.27], 1.5 ENE CALHOUN [37.54, -87.24], 1.2 ENE CALHOUN [37.54, -87.25], 0.3 NNE CALHOUN [37.53, -87.27]

04/13/11 09:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Green River floodwaters began to approach a lot of homes and roads. Farmers moved equipment to higher ground.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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The Green River rose above flood stage about mid-month on its way toward a major flood event. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. The river continued rising past the end of the month. Impacts of the May crest will be included in the May report. April ended up being the wettest month on record at Paducah. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.

BALLARD COUNTY --- 2.4 NW WICKLIFFE [36.99, -89.11], 0.5 SE MONKEYS EYEBROW [37.18, -88.97], 2.7 NW MONKEYS EYEBROW [37.21, -89.01], 3.6 W OSCAR [37.14, -89.09], 1.7 NW EAST CAIRO [37.03, -89.17], 1.8 S EAST CAIRO [36.99, -89.15]

04/13/11 08:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

DAVISS COUNTY --- OWENSBORO [37.77, -87.12], 2.9 E GRIFFITH [37.82, -87.17], 3.7 E GRIFFITH [37.83, -87.15], 0.6 N OWENSBORO [37.78, -87.12]

04/14/11 05:01 CST	50K	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Moderate flooding occurred on the Ohio River. At the Owensboro river gage, the river crested at 46.30 feet on April 28th. Panther Creek flooded extensively due to backwater from the Ohio River, which forced some evacuations of residents in the Pettit area. Firefighters assisted three people out of their homes. Panther Creek covered parts of U.S. Highway 431 and surrounded a few major businesses such a home improvement store. The Red Cross opened a shelter. A riverside park and parts of Water Street in Owensboro were flooded. Countywide, 63 county roads and 18 state roads were closed.

HENDERSON COUNTY --- 4.0 SW ALZEY [37.84, -87.88], 3.6 NW ALZEY [37.90, -87.87], 2.4 E ALZEY [37.87, -87.78], 3.2 W MC DONALDS LNDG [37.85, -87.76]

04/14/11 10:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Due to Ohio River flooding, a horse-racing track was surrounded by floodwater. Near the confluence of the Green and Ohio Rivers, a number of homes were enveloped by water near Spottsville. At least 80 county roads and a much smaller number of state roads were closed by flooding. U.S. Highway 60 was closed from Spottsville to the Daviess County line. A Red Cross shelter was opened for a very small number of evacuees, mostly from the Reed and Beals communities. There was considerable flooding of low-lying agricultural land, forcing farmers to delay planting.

UNION COUNTY --- UNIONTOWN [37.77, -87.93], 1.6 E RALEIGH [37.72, -88.04], 1.7 NNE RALEIGH [37.74, -88.05], 3.5 WNW UNIONTOWN [37.78, -87.99]

04/17/11 07:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

The Ohio River floodgates were installed on Kentucky Highway 923 at Sturgis. This was the first time since the March 1997 flood that such actions were required. Sandbagging was done to protect a house in the Sullivan area. Several county roads were closed, as was the main traffic artery through the county, U.S. Highway 60. There were a total of 14 state highways and 18 county roads posted as closed in Union County.

CRITTENDEN COUNTY --- TOLU [37.43, -88.25], 1.0 S FORDS FERRY [37.46, -88.08], 0.7 W FORDS FERRY [37.47, -88.09], 1.9 NW TOLU [37.45, -88.28]

04/17/11 09:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

MCCRACKEN COUNTY --- PADUCAH [37.08, -88.63], 0.2 WNW RAGLAND [37.17, -88.90], 2.8 NE RAGLAND [37.20, -88.87], 0.5 NE ROWLANDTOWN [37.10, -88.62]

04/17/11 09:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

The flood gates were installed in the floodwall protecting the city of Paducah. The Ohio River rose well out of its banks, inundating low-lying areas outside of the levee and floodwall protection system. About 22 homes were evacuated by emergency services workers, while others left voluntarily.

LIVINGSTON COUNTY --- 2.3 NNW SMITHLAND [37.16, -88.42], 0.7 NE BAYOU [37.24, -88.47], 0.9 NE BIRDSVILLE [37.23, -88.44], 1.6 N SMITHLAND [37.15, -88.40]

04/18/11 06:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Due to flooding of the Ohio River, there was extensive sandbagging, and a temporary levee was constructed around Smithland. Homeowners were evacuated from Smithland and many other low-lying areas from Birdsville to Ledbetter. Temporary shelters were set up for evacuees. Floodwaters entered a gas station on U.S. Highway 60 in Smithland. Several state roads were closed, along with numerous county roads.

The Ohio River began its upward climb, approaching historic levels in places downriver from the Smithland area. The river rose above flood stage about mid-month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. Downriver from Owensboro, the river continued rising at the end of the month, cresting in early May. Impacts of the May crest will be included in the

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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May report. April ended up being the wettest month on record at Paducah, Kentucky. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley and southeast Missouri as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.

HICKMAN COUNTY --- 2.2 E CLINTON [36.67, -88.94]

04/15/11 16:00 CST		0		Hail (0.75 in)
04/15/11 16:00 CST		0		Source: Emergency Manager

BALLARD COUNTY --- 2.0 E MONKEYS EYEBROW [37.18, -88.94], 2.6 SE SLATER [36.99, -88.95]

04/15/11 16:04 CST		0		Hail (1.75 in)
04/15/11 16:15 CST		0		Source: Trained Spotter

Quarter to golf-ball size hail fell in parts of Ballard County. Quarter-size hail fell in La Center and the community of New York, near Gage. Golf-ball hail fell near Bandana.

GRAVES COUNTY --- 1.4 S LOWES [36.86, -88.77], 3.5 N KANSAS [36.95, -88.72]

04/15/11 16:15 CST		0		Hail (0.88 in)
04/15/11 16:19 CST		0		Source: Trained Spotter

GRAVES COUNTY --- 0.9 SW WINGO [36.64, -88.74]

04/15/11 16:21 CST		0		Hail (0.75 in)
04/15/11 16:21 CST		0		Source: Emergency Manager

CARLISLE COUNTY --- 0.6 E BARDWELL [36.87, -89.01]

04/15/11 16:42 CST		0		Hail (0.75 in)
04/15/11 16:42 CST		0		Source: Trained Spotter

CARLISLE COUNTY --- 0.6 E MAGEE SPGS [36.92, -88.91]

04/15/11 16:54 CST		0		Hail (1.00 in)
04/15/11 16:54 CST		0		Source: Trained Spotter

BALLARD COUNTY --- 3.0 S KEVIL [37.04, -88.90]

04/15/11 17:25 CST		0		Hail (1.00 in)
04/15/11 17:25 CST		0		Source: Trained Spotter

MCCRACKEN COUNTY --- (PAH)BARKLEY ARPT PA [37.07, -88.77], 1.4 NNW LAMONT [37.07, -88.83]

04/15/11 17:35 CST		50K		Hail (1.25 in)
04/15/11 17:42 CST		0		Source: NWS Employee

A swath of large hail from quarter to half-dollar size extended from Lone Oak through the Barkley Airport area. Hailstones up to half-dollar size fell at the Paducah National Weather Service office. Vehicles were dented.

GRAVES COUNTY --- 1.5 SSE SYMSONIA [36.90, -88.51], 3.0 N KANSAS [36.94, -88.72]

04/15/11 17:45 CST		0		Hail (0.75 in)
04/15/11 17:47 CST		0		Source: Trained Spotter

MCCRACKEN COUNTY --- 2.1 NW CECIL [37.12, -88.70]

04/15/11 17:54 CST		0		Hail (0.75 in)
04/15/11 17:54 CST		0		Source: Emergency Manager

GRAVES COUNTY --- 1.1 W HICKORY [36.82, -88.65]

04/15/11 18:07 CST		0		Hail (1.00 in)
04/15/11 18:07 CST		0		Source: Trained Spotter

LIVINGSTON COUNTY --- BURNA [37.25, -88.37]

04/15/11 18:22 CST		0		Hail (1.00 in)
04/15/11 18:22 CST		0		Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCCRACKEN COUNTY --- 0.7 S REIDLAND [37.01, -88.53]				
	04/15/11 18:22 CST		0	Hail (0.75 in)
	04/15/11 18:22 CST		0	Source: Trained Spotter
CALLOWAY COUNTY --- 4.9 N FAXON [36.75, -88.14]				
	04/15/11 18:50 CST		0	Hail (1.50 in)
	04/15/11 18:50 CST		0	Source: Emergency Manager
Ping-pong ball size hail fell near Kenlake State Resort Park for two minutes.				
TRIGG COUNTY --- 3.9 SW CADIZ [36.83, -87.87], 3.6 SW CADIZ [36.83, -87.86]				
	04/15/11 19:12 CST		8K	Tornado (EF0, L: 0.30 mi , W: 50 yd)
	04/15/11 19:13 CST		0	Source: NWS Storm Survey
A very brief touchdown occurred. Several trees were snapped or uprooted. Peak winds were estimated near 80 mph.				
TRIGG COUNTY --- 1.8 SW CADIZ [36.85, -87.84], 0.7 NE CADIZ [36.88, -87.81]				
	04/15/11 19:14 CST		30K	Tornado (EF1, L: 2.50 mi , W: 125 yd)
	04/15/11 19:18 CST		0	Source: NWS Storm Survey
Approximately a dozen trees were uprooted or snapped. Several tree limbs were blown down. Two homes on the outskirts of north Cadiz received shingle damage. Peak winds were estimated near 90 mph. The average path width was 100 yards.				
CHRISTIAN COUNTY --- 1.1 E HAWKINS [37.03, -87.65]				
	04/15/11 19:42 CST		0	Funnel Cloud
	04/15/11 19:42 CST		0	Source: Trained Spotter
A broken line of quasi-discrete storms intensified as it moved across the Mid Mississippi Valley into a destabilizing atmosphere. A relatively narrow plume of richer low level moisture characterized by upper 50's dew points moved north into western Kentucky. As an upper level storm system approached the region, cold temperatures aloft fostered hail growth in the stronger storms.				
BALLARD COUNTY --- WICKLIFFE [36.97, -89.08], 1.1 W WICKLIFFE [36.97, -89.10], 1.9 SW WICKLIFFE [36.95, -89.10], 1.7 SSW WICKLIFFE [36.95, -89.09]				
	04/19/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
Historic flooding of the Mississippi River inundated low-lying sections of Wickliffe. A few evacuations were required, and homes were sandbagged. A section of U.S. Highway 51 was closed south of Wickliffe near a large paper mill. The bridge over the Ohio River on U.S. Highway 51/60/62 was closed when sections of the road leading to the bridge flooded out.				
CARLISLE COUNTY --- BARDWELL [36.87, -89.02], 2.1 N BARDWELL [36.90, -89.03], 2.2 SSE WINNFORD [36.89, -89.06], 2.7 ENE LAKETON [36.88, -89.12]				
	04/19/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
Historic flooding of the Mississippi River inundated many low-lying areas. Portions of U.S. Highway 51 were closed due to flooding.				
FULTON COUNTY --- HICKMAN [36.57, -89.18], 2.2 W HICKMAN [36.57, -89.22], 3.1 NNW HICKMAN [36.61, -89.20], 2.6 N HICKMAN [36.61, -89.18]				
	04/19/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
Historic flooding of the Mississippi River severely tested the strength of levees and floodwalls protecting Hickman.				
The Mississippi River began its upward trend toward historic flooding. The river rose above flood stage late in the month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. The river continued rising past the end of the month. Impacts of the May crest will be included in the May report. April ended up being the wettest month on record at Paducah, Kentucky. Rainfall at Cape Girardeau, Missouri was over 20 inches for the month of April. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.				
HENDERSON COUNTY --- HENDERSON ARPT [37.80, -87.68], SPOTTSVILLE [37.85, -87.42]				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/19/11 20:55 CST		15K	Thunderstorm Wind (MG 59 kt)
	04/19/11 21:02 CST		0	Source: Trained Spotter

A wind gust to 68 mph was measured along Highway 60 near Spottsville. At the Henderson airport, the peak wind gust was 60 mph. There were power outages and numerous trees down in Henderson.

DAVISS COUNTY --- OWENSBORO [37.77, -87.12], 1.0 E OWENSBORO [37.77, -87.10]				
	04/19/11 21:25 CST		25K	Thunderstorm Wind (EG 65 kt)
	04/19/11 21:25 CST		0	Source: Trained Spotter

This estimated wind gust was reported by a spotter on the east side of the city. There was minor damage to trees, a home, and a gas station canopy in the city.

MCCRACKEN COUNTY --- (PAH)BARKLEY ARPT PA [37.07, -88.77], REIDLAND [37.02, -88.53]				
	04/19/11 21:27 CST		50K	Thunderstorm Wind (MG 51 kt)
	04/19/11 21:30 CST		0	Source: ASOS

A wind gust to 59 mph was measured by automated equipment at Barkley Regional Airport. The strong winds damaged the dome of a steeple-like structure atop a church in downtown Paducah. A large tree limb fell on a house in Paducah. Some trees were blown down in the Reidland area.

MCLEAN COUNTY --- BEECH GROVE [37.62, -87.40]				
	04/19/11 21:35 CST		3K	Thunderstorm Wind (EG 56 kt)
	04/19/11 21:35 CST		0	Source: Trained Spotter

Trained spotters reported tree limbs were blown down by gusts near 65 mph.

CARLISLE COUNTY --- 0.6 E MAGEE SPGS [36.92, -88.91], 1.4 NNE MAGEE SPGS [36.94, -88.91]				
	04/19/11 21:38 CST		20K	Thunderstorm Wind (EG 56 kt)
	04/19/11 21:38 CST		0	Source: Trained Spotter

A few garage buildings along Highway 121 were damaged. Three trees were blown down across a road near the Ballard County line.

DAVISS COUNTY --- OWENSBORO [37.77, -87.12]				
	04/19/11 21:45 CST		0	Hail (0.75 in)
	04/19/11 21:45 CST		0	Source: Trained Spotter

MCCRACKEN COUNTY --- LONE OAK [37.03, -88.67]				
	04/19/11 21:46 CST		0	Hail (0.75 in)
	04/19/11 21:46 CST		0	Source: Trained Spotter

CARLISLE COUNTY --- 0.9 NE ARLINGTON [36.79, -89.01]				
	04/19/11 21:47 CST		0	Hail (0.75 in)
	04/19/11 21:47 CST		0	Source: Emergency Manager

HICKMAN COUNTY --- CLINTON [36.67, -88.98]				
	04/19/11 21:48 CST		2K	Thunderstorm Wind (EG 52 kt)
	04/19/11 21:48 CST		0	Source: Emergency Manager

A carport was destroyed.

CRITTENDEN COUNTY --- MARION [37.33, -88.08]				
	04/19/11 22:10 CST		0	Thunderstorm Wind (MG 57 kt)
	04/19/11 22:10 CST		0	Source: Mesonet

This wind gust was measured at a Kentucky mesonet site.

GRAVES COUNTY --- 1.3 WNW MAYFIELD [36.74, -88.65]				
	04/19/11 22:11 CST		4K	Thunderstorm Wind (EG 61 kt)
	04/19/11 22:11 CST		0	Source: Trained Spotter

A spotter estimated winds gusted from 60 to 70 mph. A few trees were blown down.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MARSHALL COUNTY --- CALVERT CITY [37.03, -88.35]				
	04/19/11 22:14 CST		0	Hail (0.75 in)
	04/19/11 22:14 CST		0	Source: Trained Spotter
GRAVES COUNTY --- 0.9 SW WINGO [36.64, -88.74]				
	04/19/11 22:32 CST		3K	Thunderstorm Wind (EG 52 kt)
	04/19/11 22:32 CST		0	Source: Trained Spotter
A spotter estimated wind gusts around 60 mph. A few trees were blown down.				
FULTON COUNTY --- 2.0 E HICKMAN [36.57, -89.14]				
	04/19/11 22:36 CST		0	Thunderstorm Wind (MG 51 kt)
	04/19/11 22:36 CST		0	Source: Mesonet
LYON COUNTY --- 2.2 NW MONT [36.97, -88.08]				
	04/19/11 22:37 CST		0	Hail (0.75 in)
	04/19/11 22:37 CST		0	Source: Trained Spotter
TRIGG COUNTY --- 4.0 NW CADIZ [36.92, -87.86]				
	04/19/11 22:43 CST		0	Thunderstorm Wind (EG 52 kt)
	04/19/11 22:43 CST		0	Source: Emergency Manager
Emergency management estimated a wind gust to 60 mph.				
HOPKINS COUNTY --- MADISONVILLE [37.33, -87.50]				
	04/19/11 22:45 CST		0	Hail (1.00 in)
	04/19/11 22:45 CST		0	Source: Public
CALDWELL COUNTY --- 2.1 SSW FRIENDSHIP [37.02, -87.76]				
	04/19/11 22:50 CST		0	Hail (1.00 in)
	04/19/11 22:50 CST		0	Source: COOP Observer
CALLOWAY COUNTY --- 1.2 NNW LYNN GROVE [36.62, -88.44], 1.4 SSW HAMLIN [36.58, -88.08]				
	04/19/11 23:00 CST		0.30M	Thunderstorm Wind (EG 61 kt)
	04/19/11 23:20 CST		0	Source: Emergency Manager
Wind damage occurred across much of Calloway County, mainly across the southern half, including Murray. The county sheriff department estimated 100 trees were down on roads and power lines. At least three houses were damaged by falling trees. A large tree fell on several vehicles near the Murray State University campus, damaging or destroying four of them. On the Murray State University campus, the roof of a paint shop was extensively damaged, numerous tree limbs were down, and a fence was down. A metal roof was blown off a horse barn. The greatest concentration of damage was in the southeast corner of the county. Wind speeds were measured from 60 to 62 mph at three places on the west side of the county. Based on damage reports, even higher wind speeds occurred in the southeast part of the county.				
CALLOWAY COUNTY --- 1.0 S MURRAY [36.61, -88.32]				
	04/19/11 23:12 CST		0	Hail (0.88 in)
	04/19/11 23:12 CST		0	Source: Trained Spotter
CALDWELL COUNTY --- 2.1 SSW FRIENDSHIP [37.02, -87.76]				
	04/19/11 23:30 CST		0	Thunderstorm Wind (EG 56 kt)
	04/19/11 23:30 CST		0	Source: COOP Observer
Wind gusts were estimated by a co-op observer.				
CHRISTIAN COUNTY --- 2.1 S BENNETTSTOWN [36.67, -87.60]				
	04/19/11 23:40 CST		10K	Thunderstorm Wind (EG 52 kt)
	04/19/11 23:40 CST		0	Source: COOP Observer
A three-sided lean-to barn was blown across a road. Four greenhouses were damaged.				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHRISTIAN COUNTY --- LA FAYETTE [36.67, -87.65], PEMBROKE [36.78, -87.35]				
	04/19/11 23:45 CST		0.15M	Thunderstorm Wind (MG 62 kt)
	04/19/11 23:49 CST		0	Source: AWOS
A wind gust to 71 mph was measured at Oak Grove. The Fort Campbell airfield measured a gust to 58 mph. Numerous large trees were down in Oak Grove and Pembroke. On the Fort Campbell military installation, dozens of trees were snapped or uprooted, including six trees that were uprooted on the grounds of the high school. A tree fell on the elementary school. Some shingles were blown off buildings. Power lines and power poles were brought down by the trees. Some roads were blocked by fallen trees. Some roof damage was reported in La Fayette.				
MUHLENBERG COUNTY --- 5.0 SW GREENVILLE [37.15, -87.24]				
	04/19/11 23:52 CST		0	Hail (0.75 in)
	04/19/11 23:52 CST		0	Source: Emergency Manager
TODD COUNTY --- PINCHEM [36.70, -87.20]				
	04/19/11 23:55 CST		8K	Thunderstorm Wind (EG 52 kt)
	04/19/11 23:55 CST		0	Source: Emergency Manager
Medium size trees were blown down.				
TODD COUNTY --- 0.7 S SHARON GROVE [36.91, -87.10]				
	04/20/11 00:13 CST		0	Hail (1.00 in)
	04/20/11 00:13 CST		0	Source: Emergency Manager
MCLEAN COUNTY --- CALHOUN [37.53, -87.27]				
	04/20/11 00:38 CST		0	Heavy Rain
	04/20/11 00:38 CST		0	Source: Trained Spotter
A total of 2.20 inches was recorded over the past four hours.				
Thunderstorms organized into lines that produced scattered reports of damaging winds. A shortwave trough over the central and southern high Plains moved northeast through the Mid-Mississippi Valley into the upper Great Lakes. A surface low attendant to this system moved from west central Missouri northeast to north of St. Louis. The trailing cold front advanced southeast across the Lower Ohio Valley and served as the primary focus for thunderstorms.				
BALLARD COUNTY --- 0.7 WNW OGDEN [37.18, -88.96]				
	04/22/11 20:45 CST		20K	Thunderstorm Wind (EG 61 kt)
	04/22/11 20:45 CST		0	Source: Emergency Manager
There was considerable roof and siding damage at a residence in far northeast Ballard County.				
UNION COUNTY --- 1.4 NNE YUBA [37.59, -87.84], 3.6 ESE BOXVILLE [37.61, -87.77]				
	04/22/11 21:50 CST		0.30M	Tornado (EF2, L: 4.15 mi , W: 150 yd)
	04/22/11 21:54 CST		0	Source: NWS Storm Survey
Several grain bins and barns were destroyed along the Union/Webster County line along Highway 56 and on a secondary road. Dozens of trees were uprooted and snapped. Peak winds were estimated near 125 mph. The average path width was 150 yards. The tornado exited into Webster County.				
WEBSTER COUNTY --- 2.9 WNW TILDEN [37.61, -87.77], POOLE [37.63, -87.65]				
	04/22/11 21:54 CST		0.50M	Tornado (EF2, L: 6.78 mi , W: 300 yd)
	04/22/11 22:00 CST	2	0	Source: NWS Storm Survey
This tornado entered from Union County along Highway 56 and exited into Henderson County near Poole. While over Webster County, roofs were completely removed from three homes on the north and west side of Poole. Several homes in Poole suffered partial loss of shingles and damage caused primarily by falling trees. Several garages were damaged or destroyed in Poole. Several grain bins and barns were destroyed along the Union County line along Highway 56 and a secondary road. Two grain bins were wrapped around the back side of a house. Numerous trees were snapped or uprooted. The average path width was 150 yards. Peak winds were estimated near 125 mph.				
HENDERSON COUNTY --- 2.7 S TUNNEL HILL [37.64, -87.64], 1.0 SW ROBARDS [37.66, -87.56]				
	04/22/11 22:00 CST		80K	Tornado (EF2, L: 4.58 mi , W: 300 yd)
	04/22/11 22:05 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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This tornado crossed from Webster County near the town of Poole into Henderson County. A barn and garage was destroyed southwest of Robards. Dozens of trees were snapped or uprooted. Peak winds were estimated near 125 mph. The average path width was 150 yards.

WEBSTER COUNTY --- 4.2 N SHELTON [37.63, -87.80]

04/22/11 22:02 CST			0	Lightning
04/22/11 22:02 CST		1	0	Source: Newspaper

A man was slightly injured when lightning struck a tree near him, shocking him and throwing him backward.

DAVISS COUNTY --- 0.6 E STANLEY [37.82, -87.24], 0.8 E STANLEY [37.82, -87.24]

04/22/11 22:27 CST			3K	Tornado (EF0, L: 0.20 mi , W: 40 yd)
04/22/11 22:28 CST			0	Source: Law Enforcement

This brief tornado was witnessed by law enforcement officials. Power lines were down. Peak winds were estimated near 65 mph.

DAVISS COUNTY --- 0.7 S OWENSBORO [37.76, -87.12]

04/22/11 22:33 CST			0	Funnel Cloud
04/22/11 22:33 CST			0	Source: Trained Spotter

Strong rotation was observed near the Ohio Riverfront.

LIVINGSTON COUNTY --- 1.1 W LEDBETTER [37.05, -88.50]

04/22/11 22:33 CST			0	Hail (0.75 in)
04/22/11 22:33 CST			0	Source: Emergency Manager

MUHLENBERG COUNTY --- 2.0 S GREENVILLE [37.17, -87.18]

04/23/11 00:14 CST			0	Hail (0.75 in)
04/23/11 00:14 CST			0	Source: Public

HENDERSON COUNTY --- ALZEY [37.87, -87.82], 1.4 S KINGS MILLS [37.71, -87.75], 3.5 WSW ANTHOSTON [37.74, -87.59], 0.4 SE HENDERSON [37.83, -87.57]

04/23/11 05:15 CST			0	Flash Flood (due to Heavy Rain)
04/23/11 08:00 CST			0	Source: Law Enforcement

At least ten roads were closed or flooded. About three inches of rain was reported.

Bands and clusters of strong to severe thunderstorms produced isolated reports of damaging winds and tornadoes. A fast-moving upper level trough tracked east-northeastward from the central Plains into the upper Midwest. Strong south-southwesterly low level winds across the Mississippi Valley transported Gulf moisture rapidly northward. Thunderstorms increased along and south of a warm front draped across southern Illinois extending into northern Kentucky. Low level shear was moderately strong in the vicinity of the warm front, contributing to the isolated tornadoes.

BALLARD COUNTY --- 0.3 W BARLOW [37.05, -89.06], 1.3 E BARLOW [37.05, -89.03]

04/23/11 13:29 CST			0.10M	Tornado (EF1, L: 1.60 mi , W: 80 yd)
04/23/11 13:32 CST			0	Source: NWS Storm Survey

Part of a metal wall was damaged at a maintenance building. The roof was blown off a storage building at the city hall. Three power poles were snapped, which cut power to the city water plant. There was roof damage to a barn. A large tree fell on a home and two mobile homes. A carport landed up in a tree. There was minor roof damage on two homes and a carport. Several large trees were uprooted and snapped. Peak winds were estimated near 100 mph. The average path width was 65 yards.

CARLISLE COUNTY --- 1.0 NW BARDWELL [36.88, -89.03], 3.0 SE BARDWELL [36.84, -88.98]

04/23/11 13:30 CST			2M	Tornado (EF2, L: 4.00 mi , W: 450 yd)
04/23/11 13:35 CST		2	0	Source: NWS Storm Survey

The brunt of the damage occurred in the downtown area of Bardwell. One steel building was destroyed. Entire walls were demolished on older two-story brick buildings used as businesses. Several of the damaged buildings were deemed a total loss and were demolished. Approximately thirty large trees were uprooted, and about a hundred smaller trees were broken off or uprooted. More than a dozen wooden power poles were broken off. Two-by-six and two-by-four boards were driven into steel rooftops, walls of homes, and into the ground. Rooftops (including decking) were partially or completely torn off twenty homes and businesses. About fifty windows were blown out. Debris from the brick buildings blocked U.S. Highway 51 and several secondary roads, temporarily closing the roads. The tornado was witnessed by trained spotters. There were two minor injuries. About one million dollars damage occurred to an historic church. Peak winds were estimated near 120 mph. The average path width was about 450 yards.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCCRACKEN COUNTY --- (PAH)BARKLEY ARPT PA [37.07, -88.77], WEST PADUCAH [37.08, -88.75]				
	04/23/11 13:50 CST		25K	Thunderstorm Wind (MG 69 kt)
	04/23/11 13:55 CST		0	Source: ASOS
A gust to 79 mph was measured by automated observing equipment at Barkley Regional Airport. A 40-foot tall ham radio tower was blown down about a mile east of the airport. Tree damage was reported throughout the area. Underpinning was damaged on several mobile homes.				
MCCRACKEN COUNTY --- 0.7 S REIDLAND [37.01, -88.53]				
	04/23/11 13:55 CST		0	Funnel Cloud
	04/23/11 13:55 CST		0	Source: Trained Spotter
MCCRACKEN COUNTY --- 0.8 WNW AVONDALE HGTS [37.07, -88.68], 1.0 ESE PADUCAH [37.08, -88.61]				
	04/23/11 13:55 CST		50K	Thunderstorm Wind (EG 70 kt)
	04/23/11 14:00 CST		0	Source: Trained Spotter
Four telephone poles were snapped along a side street in the city. An off-duty meteorologist estimated wind gusts up to 80 mph on the west side of the city, with debris flying in the air. Trees were blown down throughout the city, including at least one that fell on a car and another that fell on a building.				
LYON COUNTY --- 0.9 SE KUTTAWA [37.06, -88.11], EDDYVILLE [37.05, -88.07]				
	04/23/11 14:35 CST		0	Funnel Cloud
	04/23/11 14:37 CST		0	Source: Law Enforcement
A funnel cloud with rotation was reported by state police on Interstate 24 at the Kuttawa exit. Other reports of the funnel cloud were received from Eddyville and the Eddy Creek area.				
LYON COUNTY --- 2.1 SE EDDYVILLE [37.03, -88.05]				
	04/23/11 14:38 CST		0	Hail (1.75 in)
	04/23/11 14:38 CST		0	Source: Law Enforcement
Golf-ball hail was reported at the state penitentiary.				
CALLOWAY COUNTY --- 1.9 W ALMO [36.70, -88.30]				
	04/23/11 14:39 CST		0	Hail (0.75 in)
	04/23/11 14:39 CST		0	Source: Emergency Manager
HOPKINS COUNTY --- 4.0 ENE MADISONVILLE [37.35, -87.43]				
	04/23/11 15:13 CST		0	Funnel Cloud
	04/23/11 15:13 CST		0	Source: Trained Spotter
MCCLEAN COUNTY --- 2.7 WSW BUTTONBERRY [37.43, -87.21]				
	04/23/11 15:28 CST		0	Funnel Cloud
	04/23/11 15:28 CST		0	Source: Trained Spotter
The funnel cloud was reported between Sacramento and Island. The funnel was observed from Mclean County as well as from northern Muhlenberg County near Bremen.				
MUHLENBERG COUNTY --- 0.7 N GREENVILLE [37.21, -87.18], BEECH CREEK [37.18, -87.07]				
	04/23/11 15:49 CST		0	Hail (1.00 in)
	04/23/11 15:55 CST		0	Source: Trained Spotter
CALLOWAY COUNTY --- 0.4 WNW COLDWATER [36.65, -88.46]				
	04/23/11 18:00 CST		0	Heavy Rain
	04/23/11 20:00 CST		0	Source: Newspaper
Several fishermen were stranded at a rising creek near Kentucky Highway 1836. They were unable to cross the creek after the heavy rain raised creek levels. The county rescue squad used an inflatable boat to rescue them.				
UNION COUNTY --- WAVERLY [37.72, -87.82], 1.7 NNW SPRING GROVE [37.70, -88.04], 1.6 S HAMNER [37.63, -87.95], 4.4 E MORGANFIELD ARPT [37.67, -87.75]				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/23/11 18:00 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 08:00 CST		0	Source: Department of Highways
U.S. Highway 60 was flooded about a mile west of the Henderson County line. Kentucky Highways 760 and 492 were closed in places.				
HENDERSON COUNTY --- CORYDON [37.73, -87.70], 1.8 SW KINGS MILLS [37.71, -87.77], 0.7 W KINGS MILLS [37.73, -87.76], 1.0 NW CORYDON [37.74, -87.72]				
	04/24/11 02:00 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 08:00 CST		0	Source: Law Enforcement
Numerous roads were flooded and closed, including some main arteries such as U.S. Highway 60 between Corydon and Waverly.				
Bands of thunderstorms developed along a surface cold front extending from northern Arkansas northeastward along the Ohio River. Relatively strong diurnal heating occurred south of the front, where mixed-layer cape values increased to around 1500 j/kg. Steep mid-level lapse rates and rather strong deep-layer wind shear promoted a few supercell structures within these bands of storms.				
BALLARD COUNTY --- BANDANA [37.15, -88.95], 1.9 NE WICKLIFFE [36.99, -89.06], 1.9 WNW GAGE [36.99, -88.91], 3.4 E OGDEN [37.18, -88.89]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
CARLISLE COUNTY --- ARLINGTON [36.78, -89.02], 1.6 SE MILBURN [36.78, -88.86], 1.3 SE CUNNINGHAM [36.91, -88.86], 0.5 SSW WINNFORD [36.91, -89.07]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
CRITTENDEN COUNTY --- CASAD [37.45, -88.17], 0.4 SSW IRMA [37.37, -88.25], 0.2 SSW VIEW [37.27, -88.13], 1.9 SSE STARR [37.31, -87.98], 2.1 E WESTON [37.47, -88.03]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
LIVINGSTON COUNTY --- BAYOU [37.23, -88.48], 4.0 WSW NEWBERN [37.06, -88.39], 1.8 WSW IUKA [37.07, -88.26], 0.8 ESE SALEM [37.27, -88.24], 0.5 WSW CARRSVILLE [37.40, -88.39]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
MARSHALL COUNTY --- ALTONA [37.05, -88.38], 1.4 SSW SHARPE [36.95, -88.46], 2.5 SW BREWERS [36.75, -88.46], 1.6 WSW AURORA [36.77, -88.16]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
MCCRACKEN COUNTY --- AVONDALE HGTS [37.07, -88.67], 1.3 NW GRAHAMVILLE [37.11, -88.80], 3.2 S CAMELIA [36.97, -88.79], 0.8 SSW SHADY GROVE [36.97, -88.53]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
WEBSTER COUNTY --- BELLVILLE [37.38, -87.80], 1.2 E SLAUGHTERS [37.48, -87.48], 0.9 NNE SEBREE [37.61, -87.52], 1.4 E CLAY [37.48, -87.81]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
UNION COUNTY --- 1.0 NNE CASEYVILLE [37.54, -88.06], 1.9 SSW BORDLEY [37.52, -87.89], 0.4 SE BOXVILLE [37.63, -87.82], 0.1 E WAVERLY [37.72, -87.82], 0.6 ENE UNIONTOWN [37.77, -87.92], 2.0 SE BLACKBURN [37.68, -88.09]				
	04/24/11 12:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
CALDWELL COUNTY --- BAKERS [37.18, -88.03], 1.2 ESE MC GOWAN [37.05, -87.81], 2.7 E LEWISTOWN [37.15, -87.73], 1.4 SSE RUFUS [37.21, -87.86]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CALLOWAY COUNTY --- ALMO [36.70, -88.27], 2.5 NNE BACKUSBURG [36.73, -88.45], 1.3 SSW TAYLORS STORE [36.51, -88.43], 4.6 ESE NEW CONCORD [36.52, -88.08], 2.3 NNE FAXON [36.71, -88.14]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
CHRISTIAN COUNTY --- (HOP)FT CAMPBELL AAF [36.67, -87.50], 0.8 WSW BARKERS MILL [36.67, -87.36], 1.1 WNW HALEYS MILLS [37.06, -87.37], 2.3 E MACEDONIA [37.07, -87.63], 2.8 S BENNETTSTOWN [36.66, -87.59]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
DAVIESS COUNTY --- ANDERSONVILLE [37.62, -87.08], 0.9 S OKLAHOMA [37.66, -86.88], 0.5 WNW YELVINGTON [37.85, -86.98], 1.9 ESE (OWB)OWENSBORO ARPT [37.74, -87.14], 1.7 SSW STANLEY [37.80, -87.26], 2.7 WNW PANTHER [37.65, -87.28]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
FULTON COUNTY --- ANNA LYNNE [36.55, -89.25], 0.1 S MILLER [36.52, -89.33], 0.9 S FULTON [36.51, -88.87], 2.2 NE DODD [36.59, -89.12]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
GRAVES COUNTY --- BALTIMORE [36.68, -88.80], 1.1 SSW FELICIANA [36.54, -88.79], 0.3 S BELL CITY [36.53, -88.50], 3.8 ENE SYMSONIA [36.94, -88.46], 6.0 NNW LOWES [36.96, -88.81]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
HENDERSON COUNTY --- ALZEY [37.87, -87.82], 1.1 SE CORYDON [37.72, -87.69], 2.6 NE EUTERPE [37.75, -87.42], 1.9 SSW WELLS STORE [37.90, -87.41]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
HICKMAN COUNTY --- BEELERTON [36.60, -88.87], 1.3 N NICHOLS [36.72, -88.87], 1.5 S SOUTH COLUMBUS [36.73, -89.10], 4.2 WSW GREENVILLE CROSSING [36.62, -89.14]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
HOPKINS COUNTY --- ANTON [37.35, -87.38], 1.6 N ASHBYBURG [37.55, -87.37], 3.1 SE VEAZY [37.42, -87.56], 2.8 SSE COILTOWN [37.31, -87.63], 3.0 NW BAKERSPORT [37.23, -87.39]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
LYON COUNTY --- 1.8 ENE EUREKA [37.03, -88.19], 5.2 NW KUTTAWA [37.12, -88.19], 5.9 NNW SARATOGA [37.13, -88.03], 2.0 NW CONFEDERATE [37.00, -88.01]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
MCLEAN COUNTY --- BEECH GROVE [37.62, -87.40], 3.1 NW POPLAR GROVE [37.50, -87.36], 1.0 ESE LIVERMORE [37.48, -87.11], 1.6 NNW GLENVILLE [37.62, -87.21]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
MUHLENBERG COUNTY --- BANCROFT [37.17, -87.25], 2.9 ENE WEIR [37.14, -87.18], 0.6 N BELTON [37.16, -87.03], 0.4 WNW DRAKESBORO [37.22, -87.06], 1.4 NE SOUTH CARROLLTON [37.34, -87.13], 0.5 SSE LYNN CITY [37.36, -87.23]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
TODD COUNTY --- ALLEGRE [36.93, -87.22], 2.3 WNW GUTHRIE [36.66, -87.21], 2.3 ENE DARNELL [36.67, -87.04], 1.6 ESE SHARON GROVE [36.91, -87.07]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TRIGG COUNTY --- BUFFALO [36.93, -87.67], 1.7 NE ROCKCASTLE [36.92, -87.95], 1.3 W LINTON [36.68, -87.92], 3.8 SSE ROARING SPG [36.67, -87.68]				
	04/24/11 21:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
<p>Widespread heavy rainfall from 8 to 14 inches occurred during the last week of April. At the Paducah airport, a total of 11.11 inches fell from April 22-30. A trained spotter at Central City in Muhlenberg County measured a five-day total of 9.80 inches, which was representative of other places around western Kentucky. This excessive rainfall caused most creeks and small streams to flood for an extended period of time. Numerous roads were flooded and closed, including some major state roads. Some schools delayed or cancelled classes due to the large number of flooded roads. Some of the smaller rivers that flooded included the Tradewater River at Dawson Springs and the Little River near Cadiz and Hopkinsville. Roads were closed near each river. Few homes were affected by flooding of the smaller creeks and streams. Lake Barkley and Kentucky Lake rose rapidly toward record levels at the end of the month. Both lakes reached a pool stage of 369 feet by the end of the month, which was very similar to the crest in May of 2010. However, both lakes would continue to rise into early May. Lakeshore flooding caused the closure of recreational facilities and roads, including portions of the Land Between The Lakes National Recreation Area.</p>				
MARSHALL COUNTY --- 2.0 ENE DRAFFENVILLE [36.93, -88.30]				
	04/24/11 13:08 CST		0	Hail (0.75 in)
	04/24/11 13:08 CST		0	Source: Trained Spotter
MCCRACKEN COUNTY --- REIDLAND [37.02, -88.53], 0.9 NE SHADY GROVE [36.99, -88.51], 2.1 SW CAMELIA [37.00, -88.81], 1.6 WNW CAMELIA [37.02, -88.81], 1.9 WNW CECIL [37.11, -88.70]				
	04/24/11 13:30 CST		10K	Flash Flood (due to Heavy Rain)
	04/24/11 17:45 CST		0	Source: Trained Spotter
<p>Water covered portions of several roads in the Paducah and Reidland areas, including a couple of state highways. Two to three feet of water was over U.S. Highway 62 at the junction of Highway 286 in far west McCracken County. At least one house experienced major basement flooding. Kentucky Highway 305 was flooded and impassable at Maxon Creek. A 24-hour rainfall total of 4.20 inches was reported near Paducah.</p>				
LYON COUNTY --- CARMACK [37.02, -88.12], 2.5 ENE SARATOGA [37.06, -87.96], 4.6 NNW SARATOGA [37.11, -88.03], 5.7 NNE KUTTAWA [37.15, -88.10]				
	04/24/11 13:31 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 16:30 CST		0	Source: Trained Spotter
<p>Portions of Kentucky Highways 818 and 1943 were closed due to high water.</p>				
HOPKINS COUNTY --- DAWSON SPGS [37.17, -87.70]				
	04/24/11 14:05 CST		0	Funnel Cloud
	04/24/11 14:05 CST		0	Source: Emergency Manager
<p>The funnel cloud was sighted near the Christian/Hopkins County border.</p>				
HOPKINS COUNTY --- WHITE PLAINS [37.18, -87.38]				
	04/24/11 14:05 CST		0	Hail (1.25 in)
	04/24/11 14:05 CST		0	Source: Public
TRIGG COUNTY --- 1.0 E CADIZ [36.87, -87.80]				
	04/24/11 14:25 CST		0	Hail (0.75 in)
	04/24/11 14:25 CST		0	Source: Emergency Manager
MARSHALL COUNTY --- SHARPE [36.97, -88.45], BENTON [36.87, -88.35], 0.7 NW OAK LEVEL [36.88, -88.48], 2.0 WSW SHARPE [36.96, -88.48]				
	04/24/11 14:30 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 15:40 CST		0	Source: Trained Spotter
<p>Numerous roads were covered by water, including Highway 348. Highway 348 was impassable.</p>				
UNION COUNTY --- STURGIS [37.55, -87.98], 1.8 ENE CASEYVILLE [37.54, -88.04], 1.2 SSE STURGIS [37.53, -87.98], 1.4 N STURGIS MUNI ARPT [37.55, -87.95]				
	04/24/11 14:48 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 17:00 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Two feet of water was running across U.S. Highway 60 in town.				
MUHLENBERG COUNTY --- 4.0 SSE GREENVILLE [37.15, -87.15], CENTRAL CITY [37.30, -87.13]				
	04/24/11 15:10 CST		0	Heavy Rain
	04/24/11 16:00 CST		0	Source: COOP Observer
A co-op observer measured 1.78 inches of rain in three hours near Greenville. Minor flooding was reported. A foot of water was over several secondary roads in Central City.				
TODD COUNTY --- 5.0 SW ELKTON [36.77, -87.21]				
	04/24/11 15:27 CST		0	Hail (1.00 in)
	04/24/11 15:27 CST		0	Source: Emergency Manager
DAVISS COUNTY --- ANDERSONVILLE [37.62, -87.08], 2.4 SSW OKLAHOMA [37.64, -86.90], 0.4 NE YELVINGTON [37.85, -86.97], 0.7 SSE (OWB)OWENSBORO ARPT [37.74, -87.17]				
	04/24/11 16:31 CST		0.10M	Flash Flood (due to Heavy Rain)
	04/24/11 18:00 CST		0	Source: Emergency Manager
Three homes were flooding due to excessive rainfall. Unusually major street flooding was reported, with water flowing up through manhole covers.				
MUHLENBERG COUNTY --- BANCROFT [37.17, -87.25], 1.3 NNE MERCER [37.27, -87.14], 1.8 WNW EBENEZER [37.21, -87.11], 2.8 S GREENVILLE [37.16, -87.19]				
	04/24/11 18:09 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 21:15 CST		0	Source: Department of Highways
Kentucky Highway 1379 was closed due to high water.				
CALLOWAY COUNTY --- ALMO [36.70, -88.27], 1.7 WNW COPELAND [36.74, -88.43], 2.3 ESE COLDWATER [36.63, -88.42], 2.7 SW VAN CLEAVE [36.62, -88.26]				
	04/24/11 18:10 CST		20K	Flash Flood (due to Heavy Rain)
	04/24/11 21:15 CST		0	Source: Law Enforcement
A culvert washed out on a secondary road. Several roads were flooded in the Almo area. A motorist was barely able to escape flooding in the Almo area. He escaped through the window, but the vehicle was totalled. Rainfall rates earlier in the afternoon were measured up to one inch in 15 minutes. A trained spotter near Almo measured 3.50 inches within 48 hours.				
CHRISTIAN COUNTY --- 3.2 SE DOGWOOD [36.92, -87.36], 1.3 NW PEMBROKE [36.79, -87.37], 0.4 SW CHURCH HILL [36.80, -87.58], 0.2 WNW SINKING FORK [36.93, -87.58]				
	04/24/11 18:21 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 21:15 CST		0	Source: Law Enforcement
Numerous roads in the city of Hopkinsville were closed due to high water. Water and debris were flowing over a bridge.				
TODD COUNTY --- SHARON GROVE [36.92, -87.10], 1.3 SW SHARON GROVE [36.91, -87.12], 1.3 NNW ELKTON STANDARD ARPT [36.82, -87.19], 1.5 W WILHELMINA [36.83, -87.13]				
	04/24/11 18:35 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 21:15 CST		0	Source: Law Enforcement
About ten roads were closed, including several in the Sharon Grove area.				
MCCRACKEN COUNTY --- 0.9 SE FUTRELL [37.07, -88.64], 1.6 SW AVONDALE HGTS [37.06, -88.69], 1.6 ESE LONE OAK [37.02, -88.64], 1.9 W TYLER [37.05, -88.61]				
	04/25/11 05:29 CST		0	Flash Flood (due to Heavy Rain)
	04/25/11 08:00 CST		0	Source: Trained Spotter
Water was flowing across a main city street in five places. Flash flooding was reported on numerous other roads and city streets.				
Several clusters of thunderstorms occurred along a nearly stationary surface front that extended from northern Arkansas northeast across the Lower Ohio Valley. Within a belt of 500-1500 j/kg mixed-layer cape and along the southern fringe of the stronger mid level flow, a few storms produced some rotation and large hail.				
CHRISTIAN COUNTY --- 2.2 SW FIDELIO [36.71, -87.48]				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/25/11 15:16 CST		0	Hail (0.88 in)
	04/25/11 15:16 CST		0	Source: Trained Spotter
The hail occurred at mile marker 85 on Interstate 24.				
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CHRISTIAN COUNTY --- 2.0 S HOPKINSVILLE [36.82, -87.48]				
	04/25/11 15:20 CST		0	Hail (1.00 in)
	04/25/11 15:20 CST		0	Source: Trained Spotter
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CHRISTIAN COUNTY --- 4.0 WSW PEMBROKE [36.76, -87.42], 2.5 WSW PEMBROKE [36.77, -87.39]				
	04/25/11 15:23 CST		0.10M	Tornado (EF1, L: 1.50 mi , W: 275 yd)
	04/25/11 15:26 CST		0	Source: NWS Storm Survey
Barns and sheds were destroyed. Trees were uprooted or broken. Peak winds were estimated near 90 mph. The average path width was 250 yards.				
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TODD COUNTY --- 1.5 NNE TRESS SHOP [36.85, -87.21]				
	04/25/11 15:35 CST		0	Hail (1.00 in)
	04/25/11 15:35 CST		0	Source: Trained Spotter
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TODD COUNTY --- 4.0 NW ELKTON [36.86, -87.20]				
	04/25/11 15:35 CST		0	Funnel Cloud
	04/25/11 15:35 CST		0	Source: Trained Spotter
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MUHLENBERG COUNTY --- 2.0 ESE GREENVILLE [37.19, -87.15]				
	04/25/11 15:40 CST		0	Funnel Cloud
	04/25/11 15:40 CST		0	Source: Law Enforcement
A surface low pressure center developed northeastward from south central Oklahoma to southwest Missouri. A gradual increase in the warm sector southerly low level jet occurred as the surface low deepened. Increasing vertical wind shear in the moist and unstable warm sector supported the development of short lines of thunderstorms with embedded lewps and supercell structures.				
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GRAVES COUNTY --- 1.3 E DUKEDOM [36.50, -88.68], 2.6 SW LYNNVILLE [36.54, -88.60]				
	04/25/11 22:53 CST		0.10M	Tornado (EF1, L: 5.14 mi , W: 225 yd)
	04/25/11 23:03 CST		0	Source: NWS Storm Survey
This tornado crossed into Graves County from Weakley County, Tennessee. The tornado initially paralleled the state line, where mainly tree damage occurred. Along Kentucky Highway 303, a home was damaged. The side porch was lifted. A gazebo and a playhouse were destroyed. A garage at the north end of the house sustained major damage. Small portions of nearby grape vines were impaled in the roof of the porch, and a stick was impaled in the house. As the tornado moved northeast, mainly tree damage occurred, with uprooted trees and large limbs down. There was some tree damage south of the path near Lynnville, which was from straight-line winds. Peak winds were estimated near 100 mph. The average path width was 75 yards.				
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MCCRACKEN COUNTY --- 0.6 W MASSAC [37.02, -88.69]				
	04/25/11 22:55 CST		0	Hail (0.75 in)
	04/25/11 22:55 CST		0	Source: Official NWS Observations
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CALLOWAY COUNTY --- 0.9 SW MURRAY [36.61, -88.33], HAZEL [36.50, -88.32]				
	04/25/11 23:15 CST		2M	Thunderstorm Wind (MG 88 kt)
	04/25/11 23:30 CST		0	Source: Mesonet
A Kentucky mesonet site measured a wind gust to 101 mph. A number of buildings were damaged, and an industrial warehouse was destroyed. Half the roof was torn off an auto parts store. There was extensive damage to trees and power lines in the city of Murray. Some trees were down on houses. Power poles were down. Roads were blocked. An eight-foot section of siding was blown off a manufacturing plant on the north side of Murray. Two rooftop air conditioning units were blown over. Two barns were blown down. City and county schools and Murray State University were cancelled the following day due to widespread power outages and blocked roads. The county emergency operations center was set up for the first time since the January, 2009 ice storm. Veteran utility workers declared that damage exceeded that from the 2009 ice storm.				
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CALLOWAY COUNTY --- 2.1 SW VAN CLEAVE [36.63, -88.26], 0.9 NE SHILOH [36.69, -88.21]				
	04/25/11 23:30 CST		25K	Thunderstorm Wind (EG 61 kt)
	04/25/11 23:30 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The damaging winds that struck Murray continued east across the eastern portion of the county. Large trees from 12 to 18 inches in diameter were uprooted off Kentucky 464 in northeast Calloway County. Power lines were down. A double-wide mobile home was overturned on Kentucky 94 east of Murray. Nearby, the top of a silo was blown off.</p>				
CALLOWAY COUNTY --- 2.3 S WADESBORO [36.72, -88.31], 1.7 SSE WADESBORO [36.73, -88.31]				
	04/25/11 23:30 CST		80K	Tornado (EF0, L: 0.76 mi , W: 175 yd)
	04/25/11 23:31 CST		0	Source: NWS Storm Survey
<p>A brief touchdown occurred, with numerous trees snapped or uprooted. There were varying degrees of roof damage to a few buildings. One metal-framed building was crushed. Peak winds were estimated near 70 mph. The average path width was 150 yards.</p>				
TRIGG COUNTY --- 3.4 SSW GOLDEN POND [36.74, -88.05]				
	04/25/11 23:36 CST		0.10M	Thunderstorm Wind (EG 70 kt)
	04/25/11 23:36 CST		0	Source: Park/Forest Service
<p>At Wrangler's Campground within the Land Between The Lakes National Recreation Area, an apparent microburst downed 40 acres of hardwood trees. Trees fell on three cabins, one historic barn, one horse barn, and one vehicle. One hundred miles of trails were closed. Power lines were down.</p>				
LYON COUNTY --- 2.5 SW KUTTAWA [37.04, -88.15], 2.0 SE KUTTAWA [37.05, -88.09]				
	04/25/11 23:37 CST		0.15M	Thunderstorm Wind (EG 78 kt)
	04/25/11 23:42 CST		0	Source: NWS Storm Survey
<p>A microburst uprooted trees and snapped branches. The microburst struck a marina on Lake Barkley. There was substantial damage to boat docks and to the roofing of one home. One boat capsized. Peak winds were estimated near 90 mph. The path width of the microburst was only 30 yards on average.</p>				
LYON COUNTY --- 2.5 NW EDDYVILLE [37.08, -88.10], 7.8 NNE KUTTAWA [37.17, -88.06]				
	04/25/11 23:40 CST		0.10M	Tornado (EF1, L: 7.08 mi , W: 100 yd)
	04/25/11 23:50 CST		0	Source: NWS Storm Survey
<p>The intermittent damage path began along Highway 373, producing mainly tree damage. Further northeast, barns and trees were damaged, along with shingles off roofs. Peak winds were estimated near 95 mph. The average path width was 75 yards. The tornado continued northeast into Caldwell County.</p>				
TRIGG COUNTY --- CADIZ [36.87, -87.82], 3.9 SW CADIZ [36.83, -87.87]				
	04/25/11 23:45 CST		0.20M	Thunderstorm Wind (EG 70 kt)
	04/25/11 23:45 CST		0	Source: Trained Spotter
<p>Numerous trees and power lines were blown down. About 1,500 utility customers lost power. A number of houses and public buildings were damaged. Emergency declarations were signed by the city of Cadiz and Trigg County.</p>				
CALDWELL COUNTY --- 7.2 NE FREDONIA [37.27, -87.98], 1.8 WSW BAKERS [37.17, -88.06]				
	04/25/11 23:50 CST		0.10M	Tornado (EF1, L: 8.36 mi , W: 100 yd)
	04/25/11 23:59 CST		0	Source: NWS Storm Survey
<p>The tornado continued from Lyon County into Caldwell County. Near U.S. Highway 641, several trees were uprooted and snapped. A carport was destroyed, but damage to homes was mainly to shingles. To the east of Fredonia, a barn was destroyed with debris blown several hundred yards. Nearby barns sustained major roof damage, and several power poles were snapped. To the northeast of this area, mainly tree and shingle damage occurred. The tornado was on the ground intermittently throughout the path. Peak winds were estimated near 95 mph. The average path width was 75 yards.</p>				
CRITTENDEN COUNTY --- 0.9 SW REPTON [37.37, -88.03]				
	04/26/11 00:00 CST		0	Thunderstorm Wind (MG 55 kt)
	04/26/11 00:00 CST		0	Source: Mesonet
<p>This wind gust was measured at a Kentucky mesonet site.</p>				
CHRISTIAN COUNTY --- 0.8 S GRACEY [36.86, -87.65], (HOP)FT CAMPBELL AAF [36.67, -87.50]				
	04/26/11 00:04 CST		50K	Thunderstorm Wind (MG 55 kt)
	04/26/11 00:04 CST		0	Source: AWOS
<p>A wind gust to 55 knots was measured by automated observing equipment at Fort Campbell. A seven-mile stretch of Kentucky Highway 117 was closed due to multiple trees and power lines across it.</p>				
CHRISTIAN COUNTY --- 0.7 SW (HOP)FT CAMPBELL AAF [36.66, -87.51], 1.9 NE (HOP)FT CAMPBELL AAF [36.69, -87.48]				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/26/11 00:05 CST		1M	Tornado (EF3, L: 2.57 mi , W: 300 yd)
	04/26/11 00:08 CST		0	Source: NWS Storm Survey

The tornado struck the Fort Campbell airfield directly, causing extensive damage. One building structure destroyed was rated for 104 mph winds. Several very large and heavy constructed buildings suffered major damage at the Fort Campbell Army Airfield. Large doors to these buildings, which were rated for 115 to 144 mph winds, were blown in. Several other smaller buildings received minor to major damage. Numerous heavy vehicles were damaged, with at least three flipped over. Immediately north of the airfield, across farmland, several dozen trees were snapped or uprooted, two barns were heavily damaged, three power poles were blown down, and some shingles were blown off a house. A security guard witnessed the tornado during two separate illuminations provided by lightning. The security guard's vehicle was moved backward approximately ten feet during the tornado. A second security guard witnessed the tornado. Two security cameras recorded the tornado passage. One camera showed winds blowing in opposite directions over an approximate 30-second interval. Peak winds were estimated near 145 mph. The average path width was 250 yards.

TODD COUNTY --- 0.6 E TRENTON [36.72, -87.26], GUTHRIE [36.65, -87.17]

04/26/11 00:10 CST	0.15M	Thunderstorm Wind (EG 70 kt)
04/26/11 00:10 CST	0	Source: Trained Spotter

Two houses in Trenton sustained major damage, including partial destruction of an exterior wall. Some other homes received minor damage. Most of the house damage was due to falling trees. Trees and power poles were down.

WEBSTER COUNTY --- PROVIDENCE [37.40, -87.77], CLAY [37.48, -87.83]

04/26/11 00:12 CST	20K	Thunderstorm Wind (EG 56 kt)
04/26/11 00:14 CST	0	Source: Newspaper

In Clay, several trees were blown down. One of the trees fell on a car. Carports and fences were damaged on Kentucky Highway 132. In Providence, several tree limbs and power lines were down.

TODD COUNTY --- ELKTON [36.82, -87.15]

04/26/11 00:14 CST	80K	Thunderstorm Wind (EG 65 kt)
04/26/11 00:14 CST	0	Source: Newspaper

Power poles were down along a one-half mile stretch of U.S. Highway 68. One house was heavily damaged by a falling tree. About half of Todd County was without power through early the next morning.

HENDERSON COUNTY --- 5.0 E HENDERSON [37.83, -87.49], 2.0 W SPOTTSVILLE [37.85, -87.46]

04/26/11 00:45 CST	0	Thunderstorm Wind (MG 62 kt)
04/26/11 00:50 CST	0	Source: Trained Spotter

A trained spotter measured a wind gust to 71 mph near Spottsville. A Kentucky mesonet site measured a wind gust to 66 mph several miles east of Henderson.

A pronounced mid-level shortwave trough and associated 70 to 80 knot mid-level jet progressed northeastward from the southern Plains across Arkansas and Missouri. An associated surface low developed northeastward from southwest Missouri toward northwest Illinois. A gradual increase in the warm sector southerly low level jet occurred as the surface low deepened. Increasing vertical wind shear in the moist and unstable warm sector resulted in organized severe storms. The storms were organized into bowing lines with embedded supercell structures.

GRAVES COUNTY --- 0.6 E LYNNVILLE [36.57, -88.56]

04/26/11 14:28 CST	0	Hail (0.88 in)
04/26/11 14:28 CST	0	Source: Public

MARSHALL COUNTY --- 1.5 SSW BENTON [36.85, -88.36]

04/26/11 14:45 CST	0	Hail (0.88 in)
04/26/11 14:45 CST	0	Source: Trained Spotter

CALLOWAY COUNTY --- 1.2 WNW MURRAY [36.62, -88.34]

04/26/11 15:06 CST	0	Hail (0.88 in)
04/26/11 15:06 CST	0	Source: Emergency Manager

CALDWELL COUNTY --- 0.3 E LAKEVIEW [37.13, -87.88]

04/26/11 15:16 CST	0	Hail (1.75 in)
04/26/11 15:16 CST	0	Source: Law Enforcement

This golf-ball size hail occurred at mile-marker 14 on the West Kentucky Parkway.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WEBSTER COUNTY --- 1.1 E PROVIDENCE [37.40, -87.75]				
	04/26/11 15:47 CST		0	Hail (0.88 in)
	04/26/11 15:47 CST		0	Source: Emergency Manager
HOPKINS COUNTY --- 3.2 NNW NEBO [37.42, -87.68]				
	04/26/11 15:58 CST		0	Funnel Cloud
	04/26/11 15:58 CST		0	Source: Trained Spotter
TRIGG COUNTY --- 2.0 S CADIZ [36.84, -87.82]				
	04/26/11 15:58 CST		0	Hail (1.00 in)
	04/26/11 15:58 CST		0	Source: Emergency Manager
DAVISS COUNTY --- 0.6 W WEST LOUISVILLE [37.70, -87.29]				
	04/26/11 16:00 CST		0	Hail (1.00 in)
	04/26/11 16:00 CST		0	Source: Emergency Manager
TRIGG COUNTY --- 2.1 S CADIZ [36.84, -87.82]				
	04/26/11 16:05 CST		0	Funnel Cloud
	04/26/11 16:05 CST		0	Source: Trained Spotter
MUHLENBERG COUNTY --- 0.7 N BREMEN [37.38, -87.22]				
	04/26/11 16:32 CST		0	Funnel Cloud
	04/26/11 16:32 CST		0	Source: Trained Spotter
MUHLENBERG COUNTY --- 1.0 N BREMEN [37.38, -87.22]				
	04/26/11 16:32 CST		0	Hail (0.88 in)
	04/26/11 16:32 CST		0	Source: Trained Spotter
BALLARD COUNTY --- BARLOW [37.05, -89.05]				
	04/26/11 16:46 CST		0	Hail (0.88 in)
	04/26/11 16:46 CST		0	Source: Emergency Manager
HICKMAN COUNTY --- 1.5 SSW CLINTON [36.65, -88.99]				
	04/26/11 16:50 CST		0	Hail (0.75 in)
	04/26/11 16:50 CST		0	Source: Emergency Manager
MARSHALL COUNTY --- 1.5 SSW BENTON [36.85, -88.36]				
	04/26/11 17:41 CST		0	Hail (1.00 in)
	04/26/11 17:41 CST		0	Source: Trained Spotter
This hailstorm continued northeast across Benton toward the Draffenville area.				
GRAVES COUNTY --- 2.9 ENE PRYORSBURG [36.69, -88.65]				
	04/26/11 17:42 CST		0	Hail (1.00 in)
	04/26/11 17:42 CST		0	Source: Trained Spotter
MARSHALL COUNTY --- 1.5 NNW DRAFFENVILLE [36.94, -88.34], BRIENSBURG [36.90, -88.32]				
	04/26/11 17:48 CST		0	Hail (1.75 in)
	04/26/11 17:53 CST		0	Source: Trained Spotter
This golf-ball size hail came from the same storm that struck the Benton area. The hail swath proceeded northeast toward Gilbertville.				
MARSHALL COUNTY --- 1.5 NNW TATUMSVILLE [36.95, -88.31], 1.3 WNW GILBERTSVILLE [37.03, -88.30]				
	04/26/11 18:05 CST		0	Hail (2.00 in)
	04/26/11 18:07 CST		0	Source: Trained Spotter

Hail slightly larger than golf balls came from this storm, which had already tracked northeast across the Benton and Draffenville areas.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GRAVES COUNTY --- 0.9 SW WINGO [36.64, -88.74]				
	04/26/11 18:10 CST		0	Hail (1.00 in)
	04/26/11 18:10 CST		0	Source: Trained Spotter
GRAVES COUNTY --- 3.0 E MAYFIELD [36.73, -88.58]				
	04/26/11 18:10 CST		0	Hail (1.00 in)
	04/26/11 18:10 CST		0	Source: Public
MARSHALL COUNTY --- 0.6 W ELVA [36.93, -88.48], BREWERS [36.77, -88.43]				
	04/26/11 18:22 CST		0	Hail (1.00 in)
	04/26/11 18:25 CST		0	Source: Trained Spotter
Quarter-size hail occurred at several locations in the west central and southwest part of Marshall County. This large hail continued east-northeast toward the Benton area.				
MARSHALL COUNTY --- 0.7 S LITTLE CYPRESS [37.01, -88.43], SHARPE [36.97, -88.45]				
	04/26/11 18:31 CST		0	Hail (1.50 in)
	04/26/11 18:36 CST		0	Source: Trained Spotter
Hail nearly the size of golf balls occurred with a severe thunderstorm in the northwest part of the county.				
MARSHALL COUNTY --- 1.0 E BENTON [36.87, -88.33], 1.5 SSW BENTON [36.85, -88.36]				
	04/26/11 18:37 CST		0	Hail (1.75 in)
	04/26/11 18:39 CST		0	Source: Trained Spotter
Hail up to the size of golf balls occurred with this severe storm, which earlier produced large hail in the southwest and west central part of the county. The largest hail was just south of the Benton city limits.				
MARSHALL COUNTY --- 0.9 SE FAIRDEALING [36.84, -88.22]				
	04/26/11 18:44 CST		0	Hail (1.00 in)
	04/26/11 18:44 CST		0	Source: Trained Spotter
The large hail was associated with the same storm that tracked near and just south of Benton.				
LIVINGSTON COUNTY --- 3.2 S SMITHLAND [37.08, -88.41]				
	04/26/11 18:50 CST		0	Hail (1.75 in)
	04/26/11 18:50 CST		0	Source: Emergency Manager
Golf-ball size hail fell on U.S. Highway 60 between Smithland and Ledbetter. This was the same storm that produced large hail in northwest Marshall County.				
CALDWELL COUNTY --- 1.5 S COBB [36.96, -87.77]				
	04/26/11 19:06 CST		0	Tornado (EF0, L: 0.31 mi , W: 50 yd)
	04/26/11 19:06 CST		0	Source: NWS Storm Survey
Tree limbs were blown down by this very short, weak tornado. The tornado was witnessed by a trained spotter. Peak winds were estimated near 65 mph.				
HOPKINS COUNTY --- 0.3 NNE DAWSON SPGS ARPT [37.18, -87.67], 1.5 ENE ST CHARLES [37.19, -87.55]				
	04/26/11 19:33 CST		0	Hail (1.75 in)
	04/26/11 19:48 CST		0	Source: Law Enforcement
Golf-ball size hail was observed from the Dawson Springs area to the St. Charles area.				
CALDWELL COUNTY --- 0.9 SW PRINCETON [37.11, -87.88]				
	04/26/11 19:35 CST		0	Hail (1.50 in)
	04/26/11 19:35 CST		0	Source: Law Enforcement
HOPKINS COUNTY --- 2.0 NE MORTONS GAP [37.25, -87.45]				
	04/26/11 20:00 CST		2K	Tornado (EF0, L: 0.20 mi , W: 50 yd)
	04/26/11 20:00 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Tree limbs were blown down, along with small signs. This very brief tornado, which was witnessed by trained spotters, contained estimated winds of 70 mph.

HOPKINS COUNTY --- MADISONVILLE [37.33, -87.50], 1.1 NNE GRAPEVINE [37.32, -87.47]

	04/26/11 20:10 CST		0	Hail (1.75 in)
	04/26/11 20:10 CST		0	Source: Law Enforcement

Quarter size hail was observed in Madisonville. Golf-ball size hail was reported at exit 40 on the Pennyrile Parkway. This was the same storm that produced golf-ball size hail in the Dawson Springs and St. Charles areas earlier.

MCLEAN COUNTY --- SACRAMENTO [37.42, -87.27]

	04/26/11 20:35 CST		0.10M	Hail (1.75 in)
	04/26/11 20:35 CST		0	Source: Public

Golf-ball size hail broke windshields and heavily dented vehicles. This was the same storm that produced golf-ball size hail in the Madisonville area earlier.

MCLEAN COUNTY --- 0.7 N LIVERMORE [37.49, -87.13]

	04/26/11 20:57 CST		0	Hail (1.00 in)
	04/26/11 20:57 CST		0	Source: Broadcast Media

This large hail was from the same storm that struck the Sacramento area earlier.

DAVISS COUNTY --- 0.9 SE UTICA [37.61, -87.11]

	04/26/11 21:14 CST		0	Hail (1.00 in)
	04/26/11 21:14 CST		0	Source: Broadcast Media

CALDWELL COUNTY --- 2.6 NW LAKEVIEW [37.16, -87.91], 3.2 SE DULANEY [37.07, -87.93], 0.3 SE CEDAR BLUFF [37.08, -87.83], 2.1 NNE PRINCETON ARPT [37.15, -87.84]

	04/26/11 23:35 CST		0.10M	Flash Flood (due to Heavy Rain)
	04/27/11 04:00 CST		0	Source: Newspaper

The drainage system of the city of Princeton was overwhelmed by torrential rain. Sections of up to 25 streets were shut down. Residents in some of the hardest-hit areas evacuated. A few homes and businesses were affected.

Another mid-level shortwave trough translated quickly eastward across the southern Plains. This feature contributed to a severe weather outbreak in the Lower Ohio Valley. A zone of enhanced low-level warm advection near an intensifying low-level jet provided support for rather long-lived supercells. The storms were prolific hail producers, and rotating wall clouds and funnel clouds were observed.

CHRISTIAN COUNTY --- 2.0 NW GRACEY [36.89, -87.68], 1.4 N GRACEY [36.89, -87.65], 0.6 SE GRACEY [36.86, -87.64], 1.4 WSW GRACEY [36.86, -87.67]

	04/27/11 12:21 CST		0	Flash Flood (due to Heavy Rain)
	04/27/11 14:00 CST		0	Source: Trained Spotter

Three to four feet of water was across the main street in Gracey. The road was impassable.

CALDWELL COUNTY --- FRYER [37.27, -87.83], 3.8 N FRYER [37.32, -87.82], 3.4 NNE FRYER [37.32, -87.81], 1.5 NE FRYER [37.29, -87.81]

	04/27/11 15:30 CST		0	Flash Flood (due to Dam / Levee Break)
	04/27/11 21:30 CST		0	Source: Trained Spotter

A levee breach on Clear Creek at the Hopkins/Caldwell County line caused flash flooding. Highway 293 was closed north of Fryer.

HOPKINS COUNTY --- 2.5 WNW KIRKWOOD SPGS [37.26, -87.83], 1.9 NW KIRKWOOD SPGS [37.27, -87.80], 2.1 NW DALTON [37.32, -87.79], 3.2 WNW DALTON [37.32, -87.82]

	04/27/11 15:30 CST		0	Flash Flood (due to Dam / Levee Break)
	04/27/11 21:30 CST		0	Source: Trained Spotter

A levee breach on Clear Creek at the Hopkins/Caldwell County line caused flash flooding. Highway 293 was closed north of Fryer.

A 994 mb surface low pressure center over north central Arkansas moved northeast along a quasi-stationary front into extreme southern Illinois. Lines and clusters of thunderstorms developed coincident with the surface low and southeast of the low.

HENDERSON COUNTY --- 0.7 N HENDERSON [37.84, -87.58]

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/28/11 18:04 CST		0	Hail (0.88 in)
	04/28/11 18:04 CST		0	Source: Trained Spotter

Nickel-size hail was reported near the by-pass.

DAVIESS COUNTY --- 1.0 E (OWB)OWENSBORO ARPT [37.75, -87.15], 1.3 ESE OWENSBORO [37.76, -87.10]

04/28/11 18:08 CST	0	Hail (1.00 in)
04/28/11 18:13 CST	0	Source: Trained Spotter

DAVIESS COUNTY --- 0.6 E WHITESVILLE [37.68, -86.87]

04/28/11 18:38 CST	0	Hail (1.00 in)
04/28/11 18:38 CST	0	Source: Emergency Manager

Strong daytime heating occurred where a pocket of cold mid-level temperatures existed. Steep low and mid-level lapse rates and strong winds aloft supported isolated large hail events in northwest Kentucky.

MARSHALL COUNTY --- 0.6 W SHARPE [36.97, -88.46]

04/30/11 19:40 CST	0	Hail (1.00 in)
04/30/11 19:40 CST	0	Source: Public

A cold front slowed to a crawl as it crossed central Missouri. Thunderstorms developed in a zone of low-level convergence ahead of the cold front. The storms became increasingly elevated atop a more stable boundary layer, so isolated large hail was the primary severe weather occurrence.

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

04/03/11 09:00 CST	11K	Strong Wind (MAX 42 kt)
04/03/11 16:00 CST	0	

Strong southwest winds developed between low pressure approaching from the northwest and high pressure to the southeast. The winds gusted as high as 48 mph at the Cape Girardeau airport and 45 mph at Poplar Bluff. Because farmers had recently plowed up the soil, blowing dust reduced visibility in some areas. Visibility was reduced to less than a mile along parts of Interstate 57 in Mississippi County.

(MO-Z100) WAYNE, (MO-Z108) RIPLEY

04/03/11 14:00 CST	14K	Wildfire
04/06/11 20:00 CST	0	

Dry and windy conditions contributed to the rapid spread of wildfires. The Browns Hollow Fire consumed 428 acres just west of Greenville in the Mark Twain National Forest. The Fourche Creek Fire consumed 124 acres in the Mark Twain National Forest just southwest of Briar in Ripley County.

CARTER COUNTY --- ELLSINORE [36.93, -90.75]

04/09/11 05:07 CST	0	Hail (1.25 in)
04/09/11 05:07 CST	0	Source: Trained Spotter

STODDARD COUNTY --- DEXTER [36.80, -89.95]

04/09/11 05:32 CST	0	Hail (1.00 in)
04/09/11 05:32 CST	0	Source: Trained Spotter

The duration of the hail was about two minutes.

CAPE GIRARDEAU COUNTY --- 1.0 N CAPE GIRARDEAU [37.31, -89.53]

04/09/11 05:34 CST	0	Hail (1.00 in)
04/09/11 05:34 CST	0	Source: Trained Spotter

SCOTT COUNTY --- 5.0 E BENTON [37.10, -89.48]

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/09/11 05:50 CST		0	Hail (1.00 in)
	04/09/11 05:50 CST		0	Source: Trained Spotter
<hr/>				
BUTLER COUNTY --- 0.6 E HENDRICKSON [36.90, -90.47]				
	04/15/11 14:35 CST		0	Hail (0.88 in)
	04/15/11 14:35 CST		0	Source: Trained Spotter
<hr/>				
BOLLINGER COUNTY --- LUTESVILLE [37.30, -89.98]				
	04/15/11 15:31 CST		0	Hail (0.75 in)
	04/15/11 15:31 CST		0	Source: Emergency Manager
<hr/>				
STODDARD COUNTY --- DUDLEY [36.78, -90.10]				
	04/15/11 15:45 CST		0	Hail (0.75 in)
	04/15/11 15:45 CST		0	Source: Emergency Manager
<hr/>				
SCOTT COUNTY --- 0.6 E CHAFFEE [37.18, -89.66]				
	04/15/11 15:47 CST		0	Funnel Cloud
	04/15/11 15:47 CST		0	Source: Law Enforcement
<hr/>				
SCOTT COUNTY --- 1.1 E ORAN [37.08, -89.65]				
	04/15/11 15:47 CST		20K	Thunderstorm Wind (EG 61 kt)
	04/15/11 15:47 CST		0	Source: Emergency Manager
<hr/>				
A shed was destroyed. The underpinning of a double wide trailer was damaged.				
<hr/>				
SCOTT COUNTY --- 1.8 NNE MC MULLIN [36.97, -89.61]				
	04/15/11 15:47 CST		10K	Lightning
	04/15/11 15:47 CST		0	Source: Emergency Manager
<hr/>				
Lightning struck a house on County Road 449 north of Sikeston, causing a structure fire.				
<hr/>				
SCOTT COUNTY --- SCOTT CITY [37.25, -89.52]				
	04/15/11 15:50 CST		0	Hail (1.75 in)
	04/15/11 16:01 CST		0	Source: Trained Spotter
<hr/>				
CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53]				
	04/15/11 15:55 CST		0.10M	Hail (2.50 in)
	04/15/11 16:08 CST		0	Source: Broadcast Media

Ping-pong to tennis-ball size hail was reported across the city, including the downtown area. Vehicles were dented.

A broken line of quasi-discrete storms intensified as it moved across the Mid Mississippi Valley into a destabilizing atmosphere. A relatively narrow plume of richer low level moisture characterized by upper 50's dew points moved north into southeast Missouri. As an upper level storm system approached the region, cold temperatures aloft fostered hail growth in the stronger storms.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Hail up to the size of tennis balls fell in northeast Cape Girardeau. Photo courtesy of Gene Pyle.

NEW MADRID COUNTY --- 1.7 ESE NEW MADRID [36.59, -89.50], 2.4 SE NEW MADRID [36.57, -89.50], 1.5 SE HOWARDVILLE [36.56, -89.56], 1.4 E HOWARDVILLE [36.58, -89.55]

04/19/11 08:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Major flooding was in progress on the Mississippi River by the end of the month. The river continued rising into early May.

MISSISSIPPI COUNTY --- BIRDS PT [36.97, -89.15], 2.7 NE DEVENTER [36.85, -89.16], 4.4 N CROSNO [36.86, -89.13], 2.4 E BIRDS PT [36.97, -89.11]

04/19/11 12:00 CST	0	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: Newspaper

Major flooding occurred along the Mississippi River. Several roads were closed or covered by water, including County Roads 77 and 80.

SCOTT COUNTY --- 2.9 N COMMERCE [37.19, -89.46], 1.5 E COMMERCE [37.15, -89.42], CHAFFEE [37.18, -89.67], 1.6 ENE ROCKVIEW [37.20, -89.62]

04/19/11 13:00 CST	50K	Flood (due to Heavy Rain)
04/30/11 23:59 CST	0	Source: River/Stream Gage

Major flooding was in progress on the Mississippi River by the end of the month. The river continued rising into early May. A combination of Mississippi River backwater and headwaters from the Whitewater River caused flooding as far inland as Chaffee. A couple dozen homes were threatened in Commerce. Sandbagging was done around a home on Route EE. A large portion of Route EE was closed. Sixty homes were threatened by backwater in an area west of Sikeston. Many school districts were closed. In Chaffee, a nursing home was sandbagged after its parking lot flooded. Many homes and other structures along Highway 77 were surrounded by water. At least one street was closed in Chaffee.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CAPE GIRARDEAU COUNTY --- 1.9 ESE GULF JCT [37.26, -89.52], 1.5 ENE GULF JCT [37.27, -89.52], DUTCHTOWN [37.25, -89.67], 1.5 NW SHARPSBORO [37.23, -89.74], DELTA [37.20, -89.75]				
	04/20/11 09:00 CST		0.10M	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>Major flooding was in progress on the Mississippi River by the end of the month. The river continued rising into early May. Floodwaters backed up creeks and diversion channels across southern parts of Cape Girardeau County, threatening areas along Highway 74 out to Dutchtown. A combination of Mississippi River backwater and headwater from small tributaries such as the Whitewater River caused problems as far inland as Delta and Allenville. Crews built an emergency levee along Highway 74 near Highway 25 to protect Dutchtown. Highways 74 and 25 were closed. Water rose two to three feet high on the levee, but the levee held. A small levee south of the emergency levee washed out, flooding several homes. Voluntary evacuations were requested in the Allenville area, where water blocked all roads into town. A couple of houses were flooded in Allenville. Countywide, more than 30 county roads were closed. A large portion of Route EE was closed near Delta. The Delta Fire Department conducted three water rescues. The Red Cross opened a shelter for flood victims. In Cape Girardeau, several homes and a couple of businesses were sandbagged in an area known as the "Red Star" neighborhood. More than 15 streets were closed by flooding in the city on both the north and south sides of town.</p>				
PERRY COUNTY --- MENFRO [37.77, -89.73], 2.5 NNW MENFRO [37.80, -89.75], 1.9 E CLARYVILLE [37.88, -89.80], 2.3 NNE RED ROCK [37.78, -89.66]				
	04/20/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>Major flooding occurred along the Mississippi River. Several roads were closed, including Highway E near Menfro. Most of the other roads were rural county roads.</p> <p>The Mississippi River began its upward trend toward historic flooding. The river rose above flood stage late in the month. A series of heavy rainfall events gradually forced the river upward at an unsteady rate. The river continued rising past the end of the month. Impacts of the May crest will be included in the May report. April ended up being the wettest month on record at Paducah, Kentucky. Rainfall at Cape Girardeau, Missouri was over 20 inches for the month of April. Most of the rain fell during the latter half of the month. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.</p>				
CARTER COUNTY --- 0.9 NE VAN BUREN [37.01, -91.01]				
	04/19/11 18:24 CST		0	Hail (1.00 in)
	04/19/11 18:24 CST		0	Source: Law Enforcement
WAYNE COUNTY --- 1.1 W PIEDMONT MUNI ARPT [37.12, -90.74]				
	04/19/11 18:25 CST		0	Hail (1.00 in)
	04/19/11 18:25 CST		0	Source: Law Enforcement
WAYNE COUNTY --- PIEDMONT MUNI ARPT [37.12, -90.72], PIEDMONT [37.17, -90.72]				
	04/19/11 18:25 CST		0.15M	Thunderstorm Wind (MG 57 kt)
	04/19/11 18:25 CST		0	Source: AWOS
<p>The automated observing system at the Piedmont airport measured a wind gust to 66 mph. A hangar building at the airport was damaged. The doors were damaged, along with one plane in the hangar. Widespread damage occurred in and around Piedmont. Trees and power lines were blown down, and power poles were down.</p>				
WAYNE COUNTY --- SILVA [37.17, -90.52]				
	04/19/11 18:36 CST		0	Hail (0.75 in)
	04/19/11 18:36 CST		0	Source: Newspaper
WAYNE COUNTY --- SILVA [37.17, -90.52], 2.8 NW BURBANK [37.17, -90.46]				
	04/19/11 18:36 CST		75K	Thunderstorm Wind (EG 61 kt)
	04/19/11 18:36 CST		0	Source: Newspaper
<p>In Silva, a pontoon boat, two vehicles, and a carport were damaged. The 26-foot pontoon boat was lifted off a trailer and flipped over. The carport was blown about one-eighth of a mile. The two vehicles received minor damage from the airborne objects. Shingles were blown off a garage and shed. Large trees were blown down. U.S. Highway 67 was blocked by downed power lines.</p>				
WAYNE COUNTY --- 1.1 S CLUBB [37.20, -90.35], 3.2 S CASCADE [37.25, -90.28]				
	04/19/11 18:43 CST		25K	Tornado (EF1, L: 5.16 mi , W: 500 yd)
	04/19/11 18:50 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A few trees were uprooted south of Highway 34 and west of Highway C. A rotational damage path of uprooted oaks and snapped cedars and pines was noted northeast of the intersection of Highways 34 and C. The peak winds of about 105 mph were noted along Highway M about a mile north of Highway 34. The tornado then crossed into heavily forested conservation land. The average path width was about 300 yards.

CARTER COUNTY --- 5.0 W ELLSINORE [36.93, -90.84]

04/19/11 18:46 CST			5K	Thunderstorm Wind (EG 52 kt)
04/19/11 18:46 CST			0	Source: Newspaper

A feeder line between Ellsinore and Van Buren was knocked down.

WAYNE COUNTY --- 1.0 W GREENVILLE [37.13, -90.49]

04/19/11 18:47 CST			20K	Thunderstorm Wind (EG 61 kt)
04/19/11 18:47 CST			0	Source: Law Enforcement

Trees were blown down on the west side of the community.

BOLLINGER COUNTY --- 0.4 SSW PATTON [37.49, -90.02], 0.3 ESE PATTON [37.50, -90.01]

04/19/11 18:55 CST			15K	Tornado (EF0, L: 0.50 mi , W: 100 yd)
04/19/11 18:56 CST			0	Source: NWS Storm Survey

Many trees were snapped and uprooted. A barn was destroyed. The tornado occurred near/along a path of straight-line wind damage. Peak winds were near 80 mph.

BOLLINGER COUNTY --- 1.6 SSE SITZKE STORE [37.23, -90.19], PATTON [37.50, -90.02]

04/19/11 18:55 CST			0.15M	Thunderstorm Wind (EG 65 kt)
04/19/11 19:05 CST			0	Source: Emergency Manager

Winds were estimated from 70 to 75 mph in a wide area, mainly north and west of Marble Hill. Widespread damage to trees and power lines occurred. The roofs were damaged on some homes. A tree went through the roof of a house on Highway Y off Route 34. Many sheds were damaged.

PERRY COUNTY --- 1.6 S BREWER [37.76, -89.92], PERRYVILLE [37.72, -89.87]

04/19/11 19:05 CST			1M	Thunderstorm Wind (EG 70 kt)
04/19/11 19:08 CST	2		0	Source: Newspaper

In Perryville, widespread damage occurred to trees and some buildings. An apartment building formerly used as a nursing home was heavily damaged or destroyed. The roof was blown off, and one of the walls collapsed. One person was injured when a portion of the roof collapsed on him. Two pets were killed. Sixteen families were displaced. Perryville police received 500 other calls during the first hour after the storm. The roof of an economic development building was blown off. Many homes suffered roof damage. Many roads were littered with roof and tree debris. Several city schools were damaged, including the roofs of the senior high school and elementary school gym. Windows were broken in several buildings. Athletic fields and storage sheds were damaged. About 50 utility poles were destroyed. Elsewhere around the county, trees blocked numerous state and county roads. Due to thunderstorm winds, an 18-wheeler rolled over on Interstate 55 northbound at mile marker 133. The driver was freed by rescue crews and transported to a hospital with minor injuries. Traffic was stopped on the interstate for two hours.

RIPLEY COUNTY --- DONIPHAN [36.62, -90.82]

04/19/11 19:07 CST			9K	Thunderstorm Wind (EG 52 kt)
04/19/11 19:07 CST			0	Source: Newspaper

Two trees fell on a feeder line on U.S. Highway 160, knocking out power to 750 customers.

CAPE GIRARDEAU COUNTY --- 0.6 E DAISY [37.52, -89.79], 1.5 E OAK RIDGE [37.50, -89.70]

04/19/11 19:08 CST			0.10M	Thunderstorm Wind (EG 65 kt)
04/19/11 19:19 CST			0	Source: Emergency Manager

Numerous trees and power lines, along with some outbuildings, were blown down. A barn was blown over near the intersection of Highways B and AA. Many roads were blocked and impassable. A trailer was destroyed on Highway E about a mile west of Interstate 55.

CARTER COUNTY --- VAN BUREN [37.00, -91.02], ELLSINORE [36.93, -90.75]

04/19/11 19:08 CST			0	Heavy Rain
04/19/11 21:00 CST			0	Source: Public

One foot of water was over Highway 329 between Ellsinore and Van Buren.

CAPE GIRARDEAU COUNTY --- JACKSON [37.38, -89.67]

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/19/11 19:16 CST		5K	Thunderstorm Wind (EG 61 kt)
	04/19/11 19:16 CST		0	Source: Trained Spotter
Tree limbs were blown down in various places.				
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CAPE GIRARDEAU COUNTY --- 1.3 WNW CAPE GIRARDEAU [37.31, -89.55]				
	04/19/11 19:25 CST		90K	Thunderstorm Wind (EG 78 kt)
	04/19/11 19:25 CST		0	Source: Emergency Manager
There was major roof damage to a high school on the city limits. The hvac unit was blown off the roof. A 30-by-120 foot section of roof was peeled off down to the rafters.				
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CAPE GIRARDEAU COUNTY --- (CG)CAPE GIRARDEAU [37.23, -89.57]				
	04/19/11 19:29 CST		3K	Thunderstorm Wind (MG 50 kt)
	04/19/11 19:29 CST		0	Source: ASOS
The wind gusted to 58 mph at the Cape Girardeau Regional Airport. A number of tree limbs were down in Cape Girardeau. Small trees were uprooted in a city park.				
<hr/>				
CAPE GIRARDEAU COUNTY --- 0.9 NE RANDELS [37.14, -89.77]				
	04/19/11 20:20 CST		0	Thunderstorm Wind (MG 61 kt)
	04/19/11 20:20 CST		0	Source: Emergency Manager
<hr/>				
CAPE GIRARDEAU COUNTY --- 5.0 W RANDELS [37.13, -89.87]				
	04/19/11 20:27 CST		20K	Tornado (EF0, L: 0.10 mi , W: 40 yd)
	04/19/11 20:27 CST		0	Source: Emergency Manager
The tornado was chased by trained spotters. During a brief touchdown, large tree limbs were blown down. A window was blown out of a house. Trees and power lines were down. Peak winds were estimated near 85 mph.				
<hr/>				
SCOTT COUNTY --- 0.6 E CHAFFEE [37.18, -89.66]				
	04/19/11 20:29 CST		0	Hail (0.88 in)
	04/19/11 20:29 CST		0	Source: Trained Spotter
<hr/>				
SCOTT COUNTY --- CHAFFEE [37.18, -89.67]				
	04/19/11 20:29 CST		0.10M	Thunderstorm Wind (EG 56 kt)
	04/19/11 20:29 CST		0	Source: Emergency Manager
Damage was especially severe on the north end of Chaffee, where numerous large trees were uprooted. Two of the trees landed on houses and a vehicle. A utility pole was downed on Highway 77, and another pole was downed on a side street. A couple of streets were blocked by fallen trees.				
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NEW MADRID COUNTY --- PARMA [36.62, -89.82], MATTHEWS [36.77, -89.58]				
	04/19/11 20:55 CST		0.15M	Thunderstorm Wind (EG 65 kt)
	04/19/11 20:58 CST		0	Source: NWS Storm Survey
At Parma, winds estimated around 60 mph blew a portion of roof off the community center. One section of brick wall was blown down on a building being demolished. Several homes had shingle damage. A metal building had the door blown off. Near Matthews, a couple of grain bins were damaged or destroyed.				
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MISSISSIPPI COUNTY --- 1.8 SW WHITING [36.78, -89.42]				
	04/19/11 21:00 CST		0	Thunderstorm Wind (EG 61 kt)
	04/19/11 21:00 CST		0	Source: Trained Spotter
The wind occurred along the New Madrid/Mississippi County line.				
<hr/>				
MISSISSIPPI COUNTY --- EAST PRAIRIE [36.78, -89.38]				
	04/19/11 21:16 CST		0	Hail (0.75 in)
	04/19/11 21:16 CST		0	Source: Trained Spotter
<hr/>				
NEW MADRID COUNTY --- PORTAGEVILLE [36.43, -89.70]				
	04/19/11 21:50 CST		0	Thunderstorm Wind (EG 52 kt)
	04/19/11 21:50 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A spotter estimated a wind gust to 60 mph.

Thunderstorms organized into lines and bows that produced widespread damaging winds. A shortwave trough over the central and southern high Plains moved northeast through the Mid-Mississippi Valley into the upper Great Lakes. A surface low attendant to this system moved from west central Missouri northeast to north of St. Louis. The trailing cold front advanced southeast across the Lower Ohio Valley and served as the primary focus for thunderstorms.

WAYNE COUNTY --- 5.5 WSW OLD GREENVILLE [37.07, -90.56], 4.9 NNW WILLIAMSVILLE [37.04, -90.57]

04/22/11 19:10 CST	0.10M	Tornado (EF1, L: 2.07 mi , W: 300 yd)
04/22/11 19:12 CST	0	Source: NWS Storm Survey

One mobile home was destroyed by a falling tree. Several outbuildings and a garage were destroyed. Dozens or perhaps hundreds of trees were uprooted. Two convergent path meso vortices were evident. The width of the tornado was difficult to determine due to the interaction with a downburst. There was a large swath of easterly falling trees on conservation land. Some of the pine trees within this area were snapped three feet above the ground. Highway V was blocked by trees and power lines in numerous places. Peak winds were estimated near 100 mph.

BOLLINGER COUNTY --- 1.0 SW ZALMA [37.14, -90.09], 0.7 S ZALMA [37.14, -90.08]

04/22/11 19:25 CST	0	Hail (1.25 in)
04/22/11 19:25 CST	0	Source: Emergency Manager

CARTER COUNTY --- 0.6 E GRANDIN [36.83, -90.82]

04/22/11 20:00 CST	0	Hail (1.00 in)
04/22/11 20:00 CST	0	Source: Trained Spotter

SCOTT COUNTY --- 0.9 SW VANDUSER [36.99, -89.69]

04/22/11 20:00 CST	25K	Thunderstorm Wind (EG 70 kt)
04/22/11 20:00 CST	0	Source: Trained Spotter

A house trailer was overturned, and trees were blown down in town.

SCOTT COUNTY --- 0.7 S PERKINS [37.09, -89.78]

04/22/11 20:04 CST	0	Hail (1.00 in)
04/22/11 20:04 CST	0	Source: Trained Spotter

SCOTT COUNTY --- 1.1 E ORAN [37.08, -89.65]

04/22/11 20:17 CST	0	Hail (1.00 in)
04/22/11 20:17 CST	0	Source: Emergency Manager

SCOTT COUNTY --- ORAN [37.08, -89.67]

04/22/11 20:17 CST	20K	Thunderstorm Wind (EG 56 kt)
04/22/11 20:17 CST	0	Source: Emergency Manager

Numerous trees were blown down.

SCOTT COUNTY --- CHAFFEE [37.18, -89.67]

04/22/11 21:24 CST	0	Heavy Rain
04/22/11 23:00 CST	0	Source: Trained Spotter

Low-lying streets were flooded. Several ditches were overflowing.

Bands and clusters of strong to severe thunderstorms produced isolated reports of damaging winds, large hail, and even a tornado. A fast-moving upper level trough tracked east-northeastward from the central Plains into the upper Midwest. Strong south-southwesterly low level winds across the Mississippi Valley transported Gulf moisture rapidly northward. Thunderstorms increased along and south of a warm front draped across southern Illinois.

BUTLER COUNTY --- 5.2 W BROSELEY [36.68, -90.34]

04/23/11 11:38 CST	20K	Thunderstorm Wind (EG 61 kt)
04/23/11 11:38 CST	0	Source: Newspaper

Four power poles and two feeder lines were taken down along Highway 53 southeast of Poplar Bluff.

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
STODDARD COUNTY --- 2.9 W DEXTER [36.79, -90.00], 2.4 W DEXTER [36.79, -89.99]				
	04/23/11 12:31 CST		50K	Tornado (EF0, L: 0.52 mi , W: 80 yd)
	04/23/11 12:32 CST		0	Source: NWS Storm Survey
A large storage building was destroyed. A garage and shed at a nearby residence was destroyed. A house roof was damaged by a falling tree. Peak winds were estimated near 75 mph. The average path width was 75 yards.				
STODDARD COUNTY --- DEXTER ARPT [36.78, -89.93]				
	04/23/11 12:34 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	04/23/11 12:34 CST		0	Source: Newspaper
A hangar building at the Dexter Municipal Airport was extensively damaged. The roof and doors were scattered for several hundred yards behind the hangar.				
SCOTT COUNTY --- 2.8 W BLODGETT [37.00, -89.58]				
	04/23/11 12:50 CST		20K	Thunderstorm Wind (EG 61 kt)
	04/23/11 12:50 CST		0	Source: Public
The roof was peeled off a storage trailer. There was shingle damage nearby. A 40-foot tree was snapped.				
NEW MADRID COUNTY --- 0.9 SE LILBOURN [36.59, -89.61], NEW MADRID [36.60, -89.53]				
	04/23/11 13:01 CST		5K	Thunderstorm Wind (EG 61 kt)
	04/23/11 13:02 CST		0	Source: Emergency Manager
An older brick building under demolition collapsed near Lilbourn. In New Madrid, a couple of sheds were blown over.				
MISSISSIPPI COUNTY --- 1.0 W CHARLESTON [36.92, -89.35], 1.8 SSE CHARLESTON [36.90, -89.32]				
	04/23/11 13:10 CST		80K	Thunderstorm Wind (EG 65 kt)
	04/23/11 13:10 CST		0	Source: Emergency Manager
On the west side of Charleston, two power poles were blown down. There was minor roof damage. A couple of trees were down. On Highway UU south of Charleston, a grain bin was heavily damaged.				
WAYNE COUNTY --- 2.0 SW PIEDMONT [37.15, -90.75]				
	04/23/11 18:16 CST		15K	Thunderstorm Wind (EG 56 kt)
	04/23/11 18:16 CST		0	Source: Trained Spotter
There was minor structural damage at a resort. Power lines were down.				
WAYNE COUNTY --- 3.0 WNW PIEDMONT MUNI ARPT [37.14, -90.77]				
	04/23/11 18:46 CST		0	Funnel Cloud
	04/23/11 18:46 CST		0	Source: Trained Spotter
A funnel cloud with rotation was observed at the Clearwater Dam.				
BOLLINGER COUNTY --- LUTESVILLE [37.30, -89.98]				
	04/23/11 19:35 CST		0	Heavy Rain
	04/23/11 19:35 CST		0	Source: Emergency Manager
Three inches of rainfall occurred in 1.5 to 2 hours in parts of Bollinger County.				
BUTLER COUNTY --- 0.9 NW POPLAR BLUFF [36.76, -90.41], 1.9 SW POPLAR BLUFF [36.73, -90.43], 1.6 SE POPLAR BLUFF [36.73, -90.38], 1.5 SSE MENGO [36.78, -90.37]				
	04/23/11 22:37 CST		50K	Flash Flood (due to Heavy Rain)
	04/24/11 04:00 CST		0	Source: Emergency Manager
Four water rescues were conducted from homes and cars. Five intersections were closed. Water was into three homes.				
BUTLER COUNTY --- 2.0 SW NEELYVILLE [36.55, -90.53], 1.0 NE NEELYVILLE [36.58, -90.49]				
	04/23/11 23:02 CST		0.18M	Tornado (EF1, L: 2.97 mi , W: 100 yd)
	04/23/11 23:05 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The intermittent damage path began along U.S. Highway 67 south-southwest of Neelyville. The damage along U.S. Highway 67 south of town was minor roofing and siding damage to eight structures. A bank window was blown out. The tornado was rated EF-0 in this area. The tornado then increased to EF-1 northeast of Neelyville, where two mobile homes were destroyed and six others were damaged. Peak winds were estimated near 90 mph.</p> <p>Bands of thunderstorms developed along a surface cold front extending from northern Arkansas northeastward along the Ohio River. Relatively strong diurnal heating occurred south of the front, where mixed-layer cape values increased to around 1500 j/kg. Steep mid-level lapse rates and rather strong deep-layer wind shear promoted a few supercell structures within these bands of storms.</p>				
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WAYNE COUNTY --- 3.3 WSW LODI [37.23, -90.50], 3.5 N SILVA [37.22, -90.52], 1.1 ENE SILVA [37.17, -90.50], 0.8 SE GREENVILLE [37.12, -90.46], 1.6 E GREENVILLE [37.13, -90.44]	04/24/11 08:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>The St. Francis River began its upward trend toward major flooding. The peak flood crest at the Patterson river gage occurred after the end of the month. County schools were closed for days due to numerous road closures. Residents in Greenville built a dirt levee across old U.S. Highway 67 to protect the town from flooding of the lake. The backwater from the lake reached two streets leading into town. Lake Wappapello, which is on the St. Francis River below Greenville, reached its second highest level on record by month's end. A temporary dike was constructed at Wappapello Dam's spillway in an attempt to control overtopping. Lake levels impinged on sections of U.S. Highway 67 and State Route 34. The northbound lanes of U.S. 67 were closed for 1.5 miles near Otter Creek. Officials detoured northbound traffic into one southbound lane. A sandbagging operation kept Highway 34 open.</p>				
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BUTLER COUNTY --- POPLAR BLUFF [36.75, -90.40], 2.0 S QULIN [36.57, -90.27], 1.9 NE QULIN [36.62, -90.25], 1.8 SW (P02)POPLAR BLUFF AR [36.75, -90.35]	04/24/11 13:00 CST		4.50M	Flood (due to Heavy Rain)
	04/30/11 18:00 CST		0	Source: River/Stream Gage
<p>Major flooding occurred on the Black River. The river crested at 21.41 feet at Poplar Bluff, which was the third highest crest on record. The record crest was set only a few years earlier in 2008. The main levee from Poplar Bluff to the Qulin area was overtopped in more than three dozen spots, and a breach occurred in one spot just outside of Poplar Bluff. The part of the levee protecting most of Poplar Bluff, including the downtown area, was on the verge of failure for over 24 hours. Some homes in the flood plain were flooded, mostly in rural areas south of Poplar Bluff. Areas of south central Butler County were evacuated. A Red Cross shelter housed over 300 residents at times. Most area schools were closed during the crisis. Grain bins were flooded, though some of the crop was removed before the flooding could damage it. Numerous state and county roads were closed, including Highway 53. A couple of critical water rescues were conducted on Highway 53, where two motorists were stranded in submerged vehicles. The driver of a submerged pickup truck was found in chest-deep water, still in his seat belt. He was transferred into a boat and taken to dry land. In a nearby location, a van was swept off the roadway. It was found nose-up in a ditch. The driver was able to climb into the back of the van, open the doors, and step onto a fire department tanker truck that parked next to him. Hundreds of National Guard troops assisted with rescuing people stranded in homes and vehicles. A preliminary count indicated 53 homes and 23 businesses were flooded in south and east parts of Poplar Bluff, in addition to two churches and an unknown number of public buildings. Numerous additional homes were flooded outside the Poplar Bluff city limits, including the Qulin and Broseley areas. Parts of Qulin were flooded, including a number of homes. The flooding in Qulin was reportedly about the same as the 2008 flood. Between Qulin and Neelyville, residents of the "Coon Island" area were evacuated by special National Guard tactical vehicles. In the Neelyville area, about a half dozen or so people were evacuated by boat, and about two dozen others left on their own.</p>				
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RIPLEY COUNTY --- 1.5 W DONIPHAN [36.62, -90.85], 3.3 SW DONIPHAN [36.59, -90.86], 2.8 SW DONIPHAN [36.59, -90.85], 0.6 SW DONIPHAN [36.61, -90.83]	04/24/11 13:00 CST		0.25M	Flood (due to Heavy Rain)
	04/30/11 17:00 CST		0	Source: River/Stream Gage
<p>Major flooding occurred on the Current River. At the Doniphan river gage, the river crested at 23.76 feet, which was the fifth highest reading on record. About 15 homes were evacuated by boat. Swift water rescue teams were called into the region from as far as Sikeston and Cape Girardeau to assist with flash flood rescues as well as river flood rescues. One of the teams rescued a couple who were stranded in their vehicle. Several businesses were flooded, including a couple of resorts on the river. Red Cross shelters were opened. The entrance into Doniphan on Highway 142 was closed because of flooding.</p>				
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BUTLER COUNTY --- 2.0 SE POPLAR BLUFF [36.73, -90.37], 1.5 SE POPLAR BLUFF [36.73, -90.38], 1.5 ESE POPLAR BLUFF [36.74, -90.38], 2.3 ESE POPLAR BLUFF [36.74, -90.36]	04/25/11 08:15 CST		0	Flash Flood (due to Dam / Levee Break)
	04/28/11 06:00 CST		0	Source: Emergency Manager
<p>The levees along the Black River from Poplar Bluff to Qulin were overtopped in numerous locations. The levee was compromised in six places and failed in three places. One of the most critical levee problems was near County Road 607 on the southeast outskirts of Poplar Bluff. About 500 residences were evacuated, impacting nearly 1,000 people. Many of the evacuations were from the southeast portion of Poplar Bluff.</p>				
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CARTER COUNTY --- VAN BUREN [37.00, -91.02], 0.3 SW VAN BUREN [37.00, -91.02], 0.7 NE CHICOPEE [36.99, -91.01], 0.9 SSW VAN BUREN MUNI ARPT [36.99, -91.01]				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/26/11 08:00 CST		5K	Flood (due to Heavy Rain)
	04/27/11 14:00 CST		0	Source: River/Stream Gage
<p>Minor flooding occurred on the Current River. At Van Buren, the river crested at 21.14 feet. Flood stage is 20 feet. A few homes were evacuated, mainly due to flooded access roads to the houses. Riverfront Park in Van Buren was flooded.</p>				
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BUTLER COUNTY --- FISK [36.78, -90.22], 1.6 E FISK [36.78, -90.19], 6.2 E BATESVILLE [36.71, -90.14], 4.9 E BATESVILLE [36.71, -90.16]				
	04/26/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: River/Stream Gage
<p>The St. Francis River began its upward trend toward major flooding. Rescue workers were called to transport emergency medical personnel by boat to a house near Fisk. The house was inaccessible because of floodwaters. The peak flood crest on the river occurred after the end of the month.</p>				
<p>The Current, Black, and St. Francis Rivers rose above flood stage late in the month. A series of heavy rainfall events gradually forced the rivers upward at an unsteady rate. Another round of heavy rain in early May sent some of the rivers to record high flood crests. Impacts of the May flood crests will be included in the May report. Around 21 inches of rain fell across much of southeast Missouri in a ten-day period starting April 22. A persistent southwest flow aloft tended to steer storms northeast from the Plains across the mid-section of the country. Cold fronts tended to stall near southeast Missouri and the Lower Ohio Valley as they became more parallel to the upper-level steering flow. Bands and clusters of thunderstorms frequently developed in the vicinity of the front, producing heavy rainfall.</p>				
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BOLLINGER COUNTY --- ALLIANCE [37.57, -90.00], 1.2 WNW ZALMA [37.15, -90.10], 1.6 E DRUM [37.18, -89.87], 2.6 SE LIXVILLE [37.55, -89.89]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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BUTLER COUNTY --- ASH HILL [36.78, -90.23], 3.1 E HENDRICKSON [36.90, -90.42], 3.4 N STRINGTOWN [36.80, -90.58], 2.0 W NEELYVILLE [36.56, -90.54], 2.3 NE FAGUS [36.54, -90.24]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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CAPE GIRARDEAU COUNTY --- ALLENVILLE [37.22, -89.77], 0.8 ESE GULF JCT [37.27, -89.54], 2.6 W NEELYS LNDG [37.50, -89.55], 2.5 ENE KURREVILLE [37.48, -89.79]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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CARTER COUNTY --- CHICOPEE [36.98, -91.02], 6.3 NNW ELLSINORE [37.01, -90.81], 3.9 E GRANDIN [36.84, -90.76], 9.6 SSW FREMONT [36.83, -91.25], 4.9 WNW VAN BUREN [37.02, -91.11]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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MISSISSIPPI COUNTY --- ALFALFA CENTER [36.97, -89.20], 4.6 N BERTRAND [36.99, -89.43], 8.0 SW PINHOOK STORE [36.64, -89.42], 4.9 N DORENA [36.65, -89.22]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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NEW MADRID COUNTY --- 1.7 ESE PORTAGEVILLE [36.42, -89.67], 1.1 SSW NEW MADRID [36.58, -89.54], 2.2 ENE NOXALL [36.74, -89.54], 5.5 W MEDAL [36.73, -89.80], 1.4 SSW RISCO [36.55, -89.83]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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PERRY COUNTY --- ALTENBURG [37.63, -89.58], 2.0 NW YOUNT [37.64, -90.08], 2.6 WNW LITHIUM [37.84, -89.93], 0.5 NW MC BRIDE [37.84, -89.84]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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RIPLEY COUNTY --- BENNETT [36.73, -91.00], 1.4 NNE BURR [36.52, -90.97], 4.1 S NAYLOR [36.52, -90.60], 3.6 NE FLATWOODS [36.72, -90.65]				
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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SCOTT COUNTY --- ANCELL [37.22, -89.55], CHAFFEE [37.18, -89.67], 0.7 ESE SALCEDO [36.90, -89.67], 1.5 SW LUSK [37.01, -89.40]				

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/24/11 09:00 CST		0	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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STODDARD COUNTY --- 0.2 W MINGO [36.95, -90.18], 4.1 WSW DUDLEY [36.76, -90.17], 2.0 S BERNIE [36.65, -89.97], 1.5 SW PENERMON [36.77, -89.82], 0.9 WSW MESLER [37.07, -89.84]				
	04/24/11 09:00 CST		0.30M	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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WAYNE COUNTY --- 2.4 ESE PIEDMONT [37.16, -90.68], 5.5 W WILLIAMSVILLE [36.98, -90.65], 0.5 E WAPPAPELLO [36.93, -90.27], 2.2 NNE HIRAM [37.21, -90.30], 4.8 WNW LODI [37.27, -90.53]				
	04/24/11 09:00 CST		1M	Flood (due to Heavy Rain)
	04/30/11 23:59 CST		0	Source: Trained Spotter
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<p>Widespread heavy rainfall from 13 to 18 inches with locally higher amounts occurred during the last week of April. At the Cape Girardeau airport, a rainfall total of 16.45 inches was measured from April 22-30. At the Poplar Bluff airport, a rainfall total of 17.64 inches was measured from April 22-30. A co-operative observer in Marble Hill measured a five-day total of 12.97 inches, which was representative of other places around southeast Missouri. This excessive rainfall caused most creeks and small rivers to flood for an extended period of time. Numerous roads were flooded and closed, including some major state highways in each county. A number of road washouts were reported across southeast Missouri. Some type of washout was reported on nearly every gravel road in Wayne County, along with some larger state roads. Bridges were washed out, including three in Stoddard County alone. Some homes were sandbagged or evacuated, and there were reports of people trapped in their homes due to flooded access roads. Water rescues were conducted due to motorists driving into flooded areas. Some schools cancelled or delayed classes due to the large number of inaccessible homes. An agricultural levee on Caney Creek was breached between Oran and Chaffee in Scott County, affecting large tracts of farmland. Some of the creeks and rivers that caused damaging floods included Mingo Creek at Puxico, Apple Creek in Perry County, the Castor River at Zalma, and the Little River at Morehouse. Morehouse was especially hard hit, with much of the community underwater or evacuated.</p>				
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STODDARD COUNTY --- DUDLEY [36.78, -90.10], 2.9 ESE AID [36.86, -90.01], 2.9 WSW DEXTER ARPT [36.76, -89.97], 3.0 SSE DUDLEY [36.74, -90.09]				
	04/24/11 13:00 CST		0	Flash Flood (due to Heavy Rain)
	04/24/11 15:00 CST		0	Source: Public
<p>In Dudley, a water rescue of a family was necessary. A 72-hour rainfall measurement of 7.80 inches was recorded at Dexter.</p>				
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CARTER COUNTY --- 6.1 NNW ELLSINORE [37.01, -90.79], 5.9 NNW ELLSINORE [37.01, -90.78], 5.2 NNW ELLSINORE [37.00, -90.78], 6.2 NNW ELLSINORE [37.01, -90.81]				
	04/24/11 13:55 CST		60K	Flash Flood (due to Heavy Rain)
	04/24/11 15:30 CST		0	Source: Trained Spotter
<p>Five feet of water was running across the intersection of Highway H and County Road 327. Washed out trees were in the roadway. Sections of County Road 327 were washed out.</p>				
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RIPLEY COUNTY --- 4.0 S DONIPHAN [36.56, -90.82]				
	04/24/11 20:40 CST		0	Hail (0.75 in)
	04/24/11 20:40 CST		0	Source: Unknown
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BUTLER COUNTY --- 1.4 WSW NEELYVILLE [36.56, -90.52]				
	04/24/11 21:12 CST		0	Hail (1.00 in)
	04/24/11 21:12 CST		0	Source: Emergency Manager
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SCOTT COUNTY --- 0.6 E BENTON [37.10, -89.56]				
	04/24/11 22:00 CST		0	Hail (1.75 in)
	04/24/11 22:00 CST		0	Source: Law Enforcement
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STODDARD COUNTY --- 0.9 SW DEXTER [36.79, -89.96]				
	04/24/11 22:08 CST		0	Hail (1.00 in)
	04/24/11 22:13 CST		0	Source: Trained Spotter
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STODDARD COUNTY --- ADVANCE [37.10, -89.92], 1.5 WNW BROWNWOOD [37.09, -89.97], 1.0 SE KINDER [37.02, -90.06], 1.4 WSW AQUILLA [36.95, -89.95], 0.2 N HUNTERVILLE [36.83, -89.80], 1.9 N BUFFINGTON [36.86, -89.73]				
	04/25/11 04:00 CST		0	Flash Flood (due to Dam / Levee Break)
	04/26/11 09:00 CST		0	Source: Newspaper

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>A small levee was breached on the Castor River in the Circle City area. Flooding affected a large stretch of the Castor River in Stoddard County. Four homes were evacuated in the Swinton and Brownwood area. Sandbagging efforts were conducted west of Advance. The resident who reported the levee breach heard water rushing by her house. Roads into that area were flooded, making it difficult for rescue workers to reach the area. Some residents evacuated voluntarily. Homes and businesses near Highway C were threatened.</p>				

Several clusters of thunderstorms occurred along a nearly stationary surface front that extended from northern Arkansas northeast across the Lower Ohio Valley. Within a belt of 500-1500 j/kg mixed-layer cape and along the southern fringe of the stronger mid level flow, a few storms produced some rotation and large hail.

RIPLEY COUNTY --- 3.9 ESE BRIAR [36.62, -90.91]

04/25/11 16:20 CST	10K	Thunderstorm Wind (EG 61 kt)
04/25/11 16:20 CST	0	Source: Emergency Manager

Trees were blown down and snapped off.

CARTER COUNTY --- 0.6 E GRANDIN [36.83, -90.82]

04/25/11 16:24 CST	0	Thunderstorm Wind (EG 52 kt)
04/25/11 16:24 CST	0	Source: Law Enforcement

Wind gusts were estimated around 60 mph by law enforcement officers.

RIPLEY COUNTY --- 1.4 S SINSABAUGH [36.55, -90.73]

04/25/11 16:34 CST	0	Funnel Cloud
04/25/11 16:34 CST	0	Source: Fire Department/Rescue

BUTLER COUNTY --- 1.8 WNW POPLAR BLUFF [36.76, -90.43]

04/25/11 16:47 CST	0	Funnel Cloud
04/25/11 16:47 CST	0	Source: Trained Spotter

WAYNE COUNTY --- 3.0 SSW SILVA [37.13, -90.53], 1.6 W LOWNDES [37.15, -90.30]

04/25/11 16:47 CST	25K	Tornado (EF1, L: 11.78 mi , W: 200 yd)
04/25/11 17:00 CST	0	Source: NWS Storm Survey

Structural damage was limited to the side of a church. The tornado uprooted and snapped dozens of oaks and pines. The heaviest damage was in a forested area, where peak winds were estimated near 100 mph.

WAYNE COUNTY --- 1.3 WSW CLUBB [37.21, -90.37], 3.9 S GRAVELTON [37.24, -90.27]

04/25/11 16:58 CST	70K	Tornado (EF1, L: 5.88 mi , W: 500 yd)
04/25/11 17:06 CST	0	Source: NWS Storm Survey

At a horse ranch near Clubb, the tornado lifted wall panels from a horse arena, lifted a segment of roofing from a house, uprooted trees, and heavily damaged a 111-year-old barn. Numerous power poles were snapped. The trees exhibited a convergent pattern, and tin from the arena was circulated, including some that was found 200 yards south of the arena. The tornado continued on the ground uprooting trees, maximizing intensity as it crossed County Road 216. The remainder of the path was through forested areas, including a conservation area. Peak winds were estimated near 105 mph.

BUTLER COUNTY --- 3.2 SW POPLAR BLUFF [36.72, -90.45], 2.1 SE POPLAR BLUFF [36.73, -90.38], 1.5 SSE MENGO [36.78, -90.37], 3.3 SSW HILLARD [36.79, -90.45]

04/25/11 17:06 CST	50K	Flash Flood (due to Heavy Rain)
04/25/11 20:15 CST	0	Source: Trained Spotter

Nearly 60 Poplar Bluff residents were rescued after city streets became flooded. Fire and police departments conducted 59 water rescues, both of houses and vehicles. Utilizing three boats, the fire department performed about 33 rescues. Because the boats were unmotorized, firefighters had difficulty pulling them through 4 to 5 feet of water. Vehicles were driving through water up to their headlights on a local thoroughfare.

CARTER COUNTY --- ELLSINORE [36.93, -90.75], 2.2 ENE HUNTER [36.89, -90.81], 2.9 SSE ELLSINORE [36.89, -90.73], 1.4 E ELLSINORE [36.93, -90.73]

04/25/11 17:10 CST	0	Flash Flood (due to Heavy Rain)
04/25/11 20:10 CST	0	Source: Law Enforcement

Water rescues were taking place on the south side of Ellsinore.

BOLLINGER COUNTY --- 1.3 S GLENALLEN [37.30, -90.03], 2.1 S LUTESVILLE [37.27, -89.98]

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/25/11 17:20 CST		8K	Thunderstorm Wind (MG 52 kt)
	04/25/11 17:25 CST		0	Source: Emergency Manager

Trees were blown down west of Marble Hill. Wind gusts were measured to 60 mph near Marble Hill.

BOLLINGER COUNTY --- 3.0 SW SEDGEWICKVILLE [37.49, -89.96], 1.3 WNW SEDGEWICKVILLE [37.53, -89.94]

04/25/11 17:30 CST	0.20M	Tornado (EF1, L: 2.77 mi , W: 70 yd)
04/25/11 17:33 CST	0	Source: NWS Storm Survey

The south half of a roof was torn completely off, including the roof decking. A power pole was snapped. Debris was hanging in trees along the damage path. Dozens of trees were snapped or uprooted. At the end of the path, a mobile home was blown into a shed. Rescue crews had difficulty reaching a woman trapped inside the mobile home because of flooded roads. Both the shed and mobile home were demolished. Peak winds were estimated near 100 mph. The average path width was 50 yards.

RIPLEY COUNTY --- 3.7 S NAYLOR [36.53, -90.60], NAYLOR [36.58, -90.60], 4.5 WNW DONIPHAN [36.66, -90.89], 1.2 ESE PAYNOR [36.52, -90.90]

04/25/11 19:00 CST	50K	Flash Flood (due to Heavy Rain)
04/25/11 20:30 CST	0	Source: Newspaper

The city of Naylor was isolated by flooding of roads through the night. Some homes were evacuated by boat throughout the county, and water entered a few homes and businesses.

CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53], 3.1 NW CAPE GIRARDEAU [37.34, -89.56], 4.0 N CAPE GIRARDEAU [37.36, -89.53], 3.9 NE CAPE GIRARDEAU [37.34, -89.48]

04/25/11 20:00 CST	0	Flash Flood (due to Heavy Rain)
04/25/11 22:00 CST	0	Source: Trained Spotter

A trained spotter measured 2.55 inches of rain in 90 minutes. Total rainfall over the preceding four-day period was 12.82 inches.

STODDARD COUNTY --- 0.7 NE PAINTON [37.09, -89.79], 2.0 SE HEAGY [37.01, -89.80], 1.5 NE ARDEOLA [37.01, -89.85], 0.3 E SWINTON [37.03, -89.95], BROWNWOOD [37.08, -89.95], 0.9 NW MESLER [37.08, -89.83]

04/26/11 05:00 CST	0.25M	Flash Flood (due to Dam / Levee Break)
04/27/11 15:00 CST	0	Source: Newspaper

A breach in the Jenkins Basin levee flooded thousands of acres in northern and eastern Stoddard County. About two-thirds of the community of Painton was underwater due to the breach. The Bell City area was affected. Firefighters evacuated a small number of residents by boat. Four families were evacuated from an area south of Brownwood. A section of U.S. Highway 60 was closed as a direct result of the breach.

A surface low pressure center developed northeastward from south central Oklahoma to southwest Missouri. A gradual increase in the warm sector southerly low level jet occurred as the surface low deepened. Increasing vertical wind shear in the moist and unstable warm sector supported the development of short lines of thunderstorms with embedded lewps and supercell structures.

RIPLEY COUNTY --- 0.7 S FAIRDEALING [36.66, -90.62]

04/27/11 11:45 CST	0	Hail (1.00 in)
04/27/11 11:45 CST	0	Source: Public

BUTLER COUNTY --- 0.9 NW POPLAR BLUFF [36.76, -90.41], HILLARD [36.83, -90.42]

04/27/11 11:53 CST	0.75M	Hail (1.75 in)
04/27/11 12:00 CST	0	Source: Trained Spotter

Golf-ball size hail fell just north of Poplar Bluff. Quarter size hail fell on the northwest side of Poplar Bluff on Highway 67. At a car dealership, the hail broke 20 skylights in the shop building and damaged approximately 300 vehicles. The damage to the vehicles was generally minor, consisting of dents but no broken windshields. The hail covered the ground.

WAYNE COUNTY --- 0.1 N WAPPAPELLO [36.93, -90.28]

04/27/11 12:10 CST	0	Hail (1.00 in)
04/27/11 12:10 CST	0	Source: Other Federal Agency

The hail occurred at Wappapello Dam. This was the same storm that produced large hail in the Poplar Bluff area.

BOLLINGER COUNTY --- 0.7 S ZALMA [37.14, -90.08]

04/27/11 12:30 CST	0	Hail (1.00 in)
04/27/11 12:30 CST	0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - April 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CAPE GIRARDEAU COUNTY --- 1.1 E JACKSON [37.38, -89.65], FRUITLAND [37.45, -89.65]				
	04/27/11 12:50 CST		0	Hail (1.75 in)
	04/27/11 12:58 CST		0	Source: Trained Spotter
CARTER COUNTY --- ELLSINORE [36.93, -90.75]				
	04/27/11 13:30 CST		0	Thunderstorm Wind (EG 56 kt)
	04/27/11 13:30 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust from 60 to 65 mph.				
BUTLER COUNTY --- 4.3 SSW HENDRICKSON [36.84, -90.50]				
	04/27/11 13:55 CST		5K	Thunderstorm Wind (MG 52 kt)
	04/27/11 13:55 CST		0	Source: Trained Spotter
Trees were blown down.				
BUTLER COUNTY --- 4.0 SE HARVIELL [36.63, -90.42]				
	04/27/11 14:14 CST		0	Hail (1.00 in)
	04/27/11 14:14 CST		0	Source: Newspaper
BUTLER COUNTY --- 3.7 SE HARVIELL [36.63, -90.42], 8.2 NE NEELYVILLE [36.65, -90.40]				
	04/27/11 14:15 CST		0	Tornado (EF0, L: 2.20 mi , W: 40 yd)
	04/27/11 14:19 CST		0	Source: NWS Storm Survey
A tornado was witnessed by sheriff deputies as it crossed Highway 142. The tornado strongly rotated in open farm fields. The deputies reported the tornado was on the ground for several minutes before they lost sight of it due to rain. Shortly before the touchdown, a sheriff deputy reported a funnel cloud crossing U.S. Highway 67. There was no damage, other than two uprooted trees.				
CAPE GIRARDEAU COUNTY --- 0.8 NE FRUITLAND [37.46, -89.64], 1.2 NE LEEMON [37.48, -89.58]				
	04/27/11 15:10 CST		60K	Thunderstorm Wind (EG 70 kt)
	04/27/11 15:18 CST		0	Source: NWS Storm Survey
At a subdivision off Highway 177 northeast of Fruitland, a half dozen trees were uprooted from a flowing creek bed. One tree fell across a home, causing structural damage. Shingles were ripped off the west side of a roof. A privacy fence was blown down, with pieces of fence blown 50 yards into a small building. A covered boat slip was destroyed. The path width was about 50 yards. In Fruitland, numerous branches were blown down. A set of columns on a front porch was taken down by falling tree limbs. A couple of trees were uprooted.				
CAPE GIRARDEAU COUNTY --- (CG)CAPE GIRARDEAU [37.23, -89.57]				
	04/27/11 15:18 CST		0	Thunderstorm Wind (EG 52 kt)
	04/27/11 15:18 CST		0	Source: Trained Spotter
A trained spotter estimated a wind gust to 60 mph.				
A 994 mb surface low pressure center over north central Arkansas moved northeast along a quasi-stationary front into extreme southern Illinois. Lines and clusters of thunderstorms with embedded rotational signatures developed coincident with the surface low.				
BUTLER COUNTY --- 7.0 NW POPLAR BLUFF [36.82, -90.49]				
	04/30/11 21:25 CST		0	Heavy Rain
	04/30/11 21:40 CST		0	Source: Trained Spotter
A rainfall amount of 0.56 inches was measured in 15 minutes.				
STODDARD COUNTY --- 0.9 SW DEXTER [36.79, -89.96]				
	04/30/11 22:40 CST		0	Hail (1.00 in)
	04/30/11 22:40 CST		0	Source: Public
A cold front slowed to a crawl as it crossed central Missouri. Thunderstorms developed in a zone of low-level convergence ahead of the cold front. The storms became increasingly elevated atop a more stable boundary layer, so isolated large hail was the primary severe weather occurrence.				