

Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
JACKSON COUNTY --- MURPHYSBORO [37.77, -89.33], CARBONDALE [37.72, -89.22]				
	10/18/07 01:50 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	10/18/07 02:00 CST		0	Source: Emergency Manager
<p>In Murphysboro, windows were blown out of two structures. In Carbondale, a tree was down on two cars. One of the cars received major damage, and the other received only minor damage. In addition, a power pole was broken, a window was broken, and a couple of trees fell on power lines. In Desoto, a tree fell through the front of a vacant house. The house was destroyed by the 10-foot diameter tree. Power lines and at least one other large tree were down in Desoto. Tree debris was on roadways at nearly 20 locations, mostly in Carbondale. Numerous roads south of Carbondale were temporarily closed due to fallen trees.</p>				
UNION COUNTY --- REYNOLDSVILLE [37.37, -89.40], ANNA [37.47, -89.25]				
	10/18/07 01:55 CST		50K	Thunderstorm Wind (EG 52 kt)
	10/18/07 02:10 CST		0	Source: Law Enforcement
<p>Trees and power lines were down across a road.</p>				
FRANKLIN COUNTY --- VALIER [38.02, -89.05], 2.0 ESE VALIER [38.01, -89.02]				
	10/18/07 02:15 CST		8K	Thunderstorm Wind (EG 60 kt)
	10/18/07 02:18 CST		0	Source: Emergency Manager
<p>A 42 by 48 foot pole barn was destroyed two miles east of Valier. Wind gusts were estimated near 60 MPH in Valier, where a few trees were down.</p>				
FRANKLIN COUNTY --- WEST FRANKFORT [37.90, -88.92], BENTON [38.00, -88.92]				
	10/18/07 02:15 CST		50K	Thunderstorm Wind (EG 52 kt)
	10/18/07 02:30 CST		0	Source: Law Enforcement
<p>A number of downed trees and power lines were reported countywide, especially in West Frankfort and Christopher. A tree fell on top of a house in West Frankfort. Other damage in the county included destroyed gazebos, overturned carports, and destroyed chicken coops. Most of the downed power lines were due to trees falling on them.</p>				
WILLIAMSON COUNTY --- MARION [37.73, -88.93], JOHNSTON CITY [37.82, -88.93]				
	10/18/07 02:15 CST		25K	Thunderstorm Wind (MG 54 kt)
	10/18/07 02:25 CST		0	Source: Trained Spotter
<p>Downed trees were reported in Johnston City. Winds were measured at 62 mph. In Marion, a storm chaser reported limbs down due to estimated wind gusts around 60 mph.</p>				
PULASKI COUNTY --- 1.0 N MOUNDS [37.13, -89.20], 1.0 S VILLA RIDGE [37.16, -89.20]				
	10/18/07 02:18 CST		6K	Thunderstorm Wind (EG 50 kt)
	10/18/07 02:18 CST		0	Source: Emergency Manager
<p>Two trees were down on Highway 936 just south of Villa Ridge. Trees were down across U.S. Highway 51 between Mounds and Villa Ridge.</p>				
HAMILTON COUNTY --- 2.0 SSE HOODVILLE [38.02, -88.51]				
	10/18/07 02:40 CST		6K	Thunderstorm Wind (EG 50 kt)
	10/18/07 02:40 CST		0	Source: Law Enforcement
<p>Downed trees blocked Highway 142 South.</p>				
ALEXANDER COUNTY --- CAIRO [37.00, -89.18]				
	10/18/07 02:45 CST		0	Thunderstorm Wind (EG 52 kt)
	10/18/07 02:45 CST		0	Source: Law Enforcement
WAYNE COUNTY --- SIMS [38.37, -88.53]				
	10/18/07 02:48 CST		4K	Thunderstorm Wind (EG 50 kt)
	10/18/07 02:48 CST		0	Source: Law Enforcement
<p>A few trees and power lines were down.</p>				

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WAYNE COUNTY --- 2.0 W MT ERIE [38.52, -88.27]				
	10/18/07 03:00 CST		30K	Thunderstorm Wind (EG 61 kt)
	10/18/07 03:00 CST		0	Source: NWS Storm Survey
A 40 by 72 foot machine shed was destroyed. 10 to 15 trees in a row were snapped or uprooted. There was minor damage to a metal garage.				
The first of two rounds of severe weather occurred during the early morning hours. This first round was associated with strong low level southwest winds ahead of a deep low pressure center along the Missouri/Nebraska border. Most of the severe weather during the early morning hours was damaging wind associated with short lines of storms.				
JACKSON COUNTY --- 1.5 W AVA [37.88, -89.53]				
	10/18/07 16:30 CST		0	Hail (0.75 in)
	10/18/07 16:30 CST		0	Source: NWS Employee
PERRY COUNTY --- SUNFIELD [38.07, -89.23]				
	10/18/07 16:50 CST		4K	Thunderstorm Wind (EG 50 kt)
	10/18/07 16:50 CST		0	Source: Law Enforcement
Tree damage occurred east of U.S. Highway 51.				
FRANKLIN COUNTY --- SESSER [38.10, -89.05], 2.0 E REND LAKE SOUTH [38.08, -88.93]				
	10/18/07 17:03 CST		0	Hail (1.75 in)
	10/18/07 17:10 CST		0	Source: Trained Spotter
Quarter to golf-ball size hail fell along a swath from Sesser to Rend Lake to Whittington. The large hail was produced by a supercell thunderstorm.				
FRANKLIN COUNTY --- 2.5 N WHITTINGTON [38.12, -88.90], 2.5 N WHITTINGTON [38.12, -88.90]				
	10/18/07 17:10 CST		0	Thunderstorm Wind (EG 52 kt)
	10/18/07 17:10 CST		0	Source: Law Enforcement
Wind gusts were estimated to 60 mph at the Big Muddy Correctional Center. A measured wind gust to 57 mph occurred elsewhere in the county at West Frankfort.				
FRANKLIN COUNTY --- EWING [38.08, -88.85]				
	10/18/07 17:17 CST		0	Funnel Cloud
	10/18/07 17:17 CST		0	Source: Emergency Manager
A funnel cloud was observed by two trained storm spotters on the north side of Highway 14. The parent thunderstorm was a supercell with strong rotation.				
JEFFERSON COUNTY --- INA [38.15, -88.90]				
	10/18/07 17:20 CST		0	Hail (1.00 in)
	10/18/07 17:20 CST		0	Source: Trained Spotter
Quarter size hail fell from a supercell thunderstorm that tracked across northern Franklin County into southeast Jefferson County.				
JEFFERSON COUNTY --- 3.0 E INA [38.15, -88.84]				
	10/18/07 17:24 CST		2K	Thunderstorm Wind (EG 50 kt)
	10/18/07 17:24 CST		0	Source: Trained Spotter
Tree limbs up to 6 inches in diameter were blown down.				
EDWARDS COUNTY --- 2.0 NE WEST SALEM [38.54, -87.99], 2.1 NE WEST SALEM [38.54, -87.99]				
	10/18/07 18:15 CST		0	Tornado (EF0, L: 0.10 mi , W: 20 yd)
	10/18/07 18:15 CST		0	Source: Trained Spotter

A funnel cloud was observed for a 20 to 30 minute period by numerous law enforcement personnel and at least one trained spotter. The trained spotter reported an apparent brief touchdown. The event was witnessed mostly from nearby Wabash County at a distance of about 3 to 10 miles. No damage was located, possibly due to the sparsely populated farmland over which it occurred. Due to their distance from the funnel, eyewitnesses were not certain of the exact duration of the touchdown. This funnel cloud and tornado was produced by the same long-lived supercell that crossed the Rend Lake area of southern Jefferson and northern Franklin County.

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EDWARDS COUNTY --- 2.0 W WEST SALEM [38.52, -88.06]				
	10/18/07 18:30 CST		0	Hail (1.75 in)
	10/18/07 18:30 CST		0	Source: Emergency Manager
Golf-ball size hail fell from a supercell thunderstorm that originated over Franklin County and tracked northeast across the Lower Wabash Valley.				
The second severe weather outbreak of the day occurred as a cold front swept east across the Mississippi Valley. Scattered thunderstorms developed along and ahead of the front late in the afternoon. The storms organized into supercells and short lines during the evening.				
(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	10/29/07 02:00 CST		0	Frost/Freeze
	10/29/07 08:00 CST		0	
Clear skies and light winds associated with high pressure allowed temperatures to cool into the lower 30's. Widespread frost was observed.				
(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z080) PERRY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z084) JACKSON, (IL-Z085) WILLIAMSON, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC				
	10/17/07 03:00 CST		0	Dense Fog
	10/17/07 08:00 CST		0	
Widespread dense fog reduced visibility to one quarter mile or less. High pressure over the southern Appalachian Mountains produced a moist southeast low level wind flow just above the surface. Clear skies and nearly calm winds at the surface contributed to the fog.				
INDIANA, Southwest				
VANDERBURGH COUNTY --- 0.5 ENE (Evv)DRESS ARPT EVAN [38.03, -87.52]				
	10/18/07 04:30 CST		6K	Thunderstorm Wind (EG 55 kt)
	10/18/07 04:30 CST		0	Source: Emergency Manager
Utility poles were down about one half mile east-northeast of the Evansville airport. The automated wind equipment at the airport failed during the storm, but a gust to 46 mph was measured immediately before it failed.				
A line of thunderstorms produced strong gusty winds and an isolated report of wind damage. The line of storms was associated with strong low level southwest winds ahead of a deep low pressure center along the Missouri/Nebraska border.				
SPENCER COUNTY --- 2.0 ENE PATRONVILLE [37.86, -87.09]				
	10/18/07 17:15 CST		0	Funnel Cloud
	10/18/07 17:15 CST		0	Source: Trained Spotter
A funnel cloud accompanied by a very loud noise was reported by a trained spotter. Numerous tornadic supercells tracked east-northeast across neighboring Daviess County, Kentucky during the evening.				
SPENCER COUNTY --- 5.0 S PATRONVILLE [37.78, -87.12]				
	10/18/07 19:15 CST		2K	Thunderstorm Wind (EG 50 kt)
	10/18/07 19:15 CST		0	Source: Emergency Manager
Several trees were blown down along the Ohio River immediately across from Owensboro, KY.				
As a cold front swept east across the Mississippi Valley, scattered thunderstorms developed late in the afternoon. The storms became numerous as they moved into southwest Indiana and organized into supercells and short lines.				
(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER				
	10/29/07 02:00 CST		0	Frost/Freeze
	10/29/07 08:00 CST		0	
Clear skies and light winds associated with high pressure allowed temperatures to cool into the lower 30's. Widespread frost was				

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observed.				
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(IN-Z081) GIBSON, (IN-Z085) POSEY				
	10/17/07 03:00 CST		0	Dense Fog
	10/17/07 08:00 CST		0	
<p>Widespread dense fog reduced visibility to one quarter mile or less. High pressure over the southern Appalachian Mountains produced a moist southeast low level wind flow just above the surface. Clear skies and nearly calm winds at the surface contributed to the fog.</p>				
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KENTUCKY, Southwest				
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DAVIESS COUNTY --- MASONVILLE [37.67, -87.03]				
	10/18/07 02:14 CST		20K	Thunderstorm Wind (EG 50 kt)
	10/18/07 02:14 CST	2	0	Source: Emergency Manager
<p>A tree was down on a mobile home. Two other trees were down in the same area, blocking roads. Two adults were briefly trapped in the mobile home. Both adults received minor injuries but refused medical treatment.</p>				
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BALLARD COUNTY --- 1.0 ESE BARLOW [37.04, -89.03]				
	10/18/07 02:55 CST		4K	Thunderstorm Wind (EG 50 kt)
	10/18/07 02:55 CST		0	Source: Trained Spotter
<p>Trees were down in the Slater Road area.</p> <p>The first of two rounds of severe weather occurred during the early morning hours. This first round, which was much less significant than the later outbreak, was associated with strong low level southwest winds ahead of a deep low pressure center along the Missouri/Nebraska border. The isolated severe weather during the early morning hours was damaging wind associated with short lines of storms.</p>				
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WEBSTER COUNTY --- POOLE [37.63, -87.65]				
	10/18/07 16:05 CST		0	Hail (0.75 in)
	10/18/07 16:05 CST		0	Source: Law Enforcement
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CARLISLE COUNTY --- BARDWELL [36.87, -89.02]				
	10/18/07 16:20 CST		0	Hail (0.75 in)
	10/18/07 16:20 CST		0	Source: Public
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CARLISLE COUNTY --- BARDWELL [36.87, -89.02], MILBURN [36.80, -88.88]				
	10/18/07 16:20 CST		12K	Thunderstorm Wind (EG 52 kt)
	10/18/07 16:20 CST		0	Source: Newspaper
<p>Two trees were blown down across Highway 1377, blocking the road. In Milburn, a large tree fell on a house. A barn was unroofed. Power lines were down.</p>				
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WEBSTER COUNTY --- DIXON [37.52, -87.70]				
	10/18/07 16:44 CST		0	Hail (0.88 in)
	10/18/07 16:44 CST		0	Source: Law Enforcement
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FULTON COUNTY --- 1.0 N CAYCE [36.56, -89.03]				
	10/18/07 16:45 CST		3K	Thunderstorm Wind (EG 50 kt)
	10/18/07 16:45 CST		0	Source: Emergency Manager
<p>Highway 239 was blocked by downed trees.</p>				
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DAVIESS COUNTY --- SORGHO [37.75, -87.25]				
	10/18/07 16:46 CST		0	Hail (0.88 in)
	10/18/07 16:46 CST		0	Source: Trained Spotter
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HICKMAN COUNTY --- 3.0 E CLINTON [36.67, -88.93]				

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	10/18/07 16:55 CST		35K	Thunderstorm Wind (EG 61 kt)
	10/18/07 16:55 CST		0	Source: Utility Company
A shed and a barn were blown away. Two roads were impassable due to trees across them. Several other trees were down in the same area. A power pole was broken.				
DAVIESS COUNTY --- OWENSBORO [37.77, -87.12]				
	10/18/07 17:02 CST		0	Hail (1.00 in)
	10/18/07 17:02 CST		0	Source: Trained Spotter
Quarter-size hail was reported in the downtown area.				
GRAVES COUNTY --- 3.0 N WATER VLY [36.61, -88.80], MAYFIELD [36.73, -88.63]				
	10/18/07 17:05 CST		20K	Thunderstorm Wind (EG 50 kt)
	10/18/07 17:18 CST		0	Source: NWS Storm Survey
Trees were blown down on a secondary road a few miles north of Water Valley. Several trees and numerous tree limbs were blown down in Mayfield, primarily on the west side of town. A tree landed on a house in Mayfield.				
LIVINGSTON COUNTY --- TILINE [37.18, -88.27]				
	10/18/07 17:05 CST		8K	Thunderstorm Wind (EG 50 kt)
	10/18/07 17:05 CST		0	Source: Emergency Manager
A 500-gallon propane tank was flipped over. A 15 by 20 foot outbuilding was destroyed.				
DAVIESS COUNTY --- 6.5 NE OWENSBORO [37.84, -87.04], 8.5 NE OWENSBORO [37.86, -87.01]				
	10/18/07 17:07 CST		50K	Tornado (EF1, L: 2.00 mi , W: 90 yd)
	10/18/07 17:10 CST		0	Source: NWS Storm Survey
Numerous trees and a few structures were damaged. The average path width was 75 yards. Peak wind speeds were estimated at 95 mph.				
DAVIESS COUNTY --- 2.0 ENE THURSTON [37.81, -87.00], 0.5 ENE GATEWOOD [37.83, -86.86]				
	10/18/07 17:10 CST		50K	Tornado (EF2, L: 7.50 mi , W: 180 yd)
	10/18/07 17:18 CST		0	Source: NWS Storm Survey
Numerous trees and a few structures were damaged. The tornado damage path continued into Hancock County. Peak winds were estimated near 130 mph where the EF-2 damage occurred between Spice Knob and Scythia. The average path width was 150 yards.				
DAVIESS COUNTY --- 2.5 SW GATEWOOD [37.80, -86.90], 2.3 SW GATEWOOD [37.81, -86.90]				
	10/18/07 17:15 CST		3K	Tornado (EF0, L: 0.20 mi , W: 20 yd)
	10/18/07 17:16 CST		0	Source: NWS Storm Survey
Several trees were damaged. Peak wind speeds in this brief tornado were estimated at 65 mph.				
DAVIESS COUNTY --- ROME [37.72, -87.18], THURSTON [37.80, -87.03]				
	10/18/07 17:20 CST		0	Hail (1.75 in)
	10/18/07 17:29 CST		0	Source: Trained Spotter
Large hail fell across the Owensboro area with a supercell thunderstorm. Golf-ball size hail fell in Thurston. Dime-size hail fell in Rome.				
MARSHALL COUNTY --- BENTON [36.87, -88.35]				
	10/18/07 17:45 CST		20K	Thunderstorm Wind (EG 61 kt)
	10/18/07 17:45 CST		0	Source: Emergency Manager
Trees were blown down on West 8th, 9th, and 12th Streets. Roads were blocked for a short period of time. The SWAT trailer was overturned at the sheriff department.				
LIVINGSTON COUNTY --- GRAND RIVERS [37.00, -88.23]				
	10/18/07 17:55 CST		2K	Thunderstorm Wind (EG 50 kt)
	10/18/07 17:55 CST		0	Source: Law Enforcement
At a marina on Kentucky Lake, a sailboat was blown off a trailer onto its side.				

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WEBSTER COUNTY --- 1.0 NE DIXON [37.53, -87.69], 1.0 SE SEBREE [37.59, -87.52]				
	10/18/07 18:09 CST		2.50M	Tornado (EF2, L: 10.19 mi , W: 300 yd)
	10/18/07 18:25 CST	5	0	Source: NWS Storm Survey
<p>Three residences were destroyed, and ten others were damaged. Four of the damaged residences were deemed uninhabitable. Six chicken houses were destroyed. A rehabilitation center for troubled young adults received about 2 million dollars in damage. Four persons were seriously injured, and a fifth person received minor injuries. One of the injuries occurred when the tornado picked up a vehicle and tossed it. The occupant of the vehicle was ejected. The other four injuries occurred at a modular home on Kentucky 494. The modular home was nearly obliterated, with debris blown across nearby fields. The home's steel frame was thrown about 300 feet. All four occupants were seriously injured, including broken vertebrae and a punctured lung. Numerous roads were blocked by downed trees. Peak winds were estimated at 135 mph. The average path width was 250 yards.</p>				
WEBSTER COUNTY --- SEBREE [37.60, -87.53]				
	10/18/07 18:15 CST		0	Hail (1.75 in)
	10/18/07 18:15 CST		0	Source: Emergency Manager
CALDWELL COUNTY --- 1.0 E CRESWELL [37.27, -87.90], 2.5 NNE FRYER [37.30, -87.81]				
	10/18/07 18:16 CST		25K	Tornado (EF1, L: 5.20 mi , W: 100 yd)
	10/18/07 18:23 CST		0	Source: NWS Storm Survey
<p>Numerous trees were snapped or uprooted. Much of the damage path was in forest inaccessible by vehicle. No structures were known to be in the path of this tornado. Secondary roads were blocked by downed trees. The peak estimated wind speed was 90 mph. The damage path ended in the vicinity of the intersection of Highways 293 and 1592.</p>				
CALDWELL COUNTY --- 1.2 W OTTER POND [37.03, -87.84], 3.6 ENE FRIENDSHIP [37.07, -87.69]				
	10/18/07 18:25 CST		0.25M	Tornado (EF2, L: 8.83 mi , W: 300 yd)
	10/18/07 18:37 CST		0	Source: NWS Storm Survey
<p>Numerous trees were snapped or uprooted. Trees landed across roads. At least a half dozen small barns were destroyed. Several roofs were lifted and torn off houses. Major structural damage was reported to seven homes. Windows were broken in houses. Peak winds were estimated near 110 mph. The damage path ended very close to the boundary of the Pennyriple State Forest.</p>				
MCLEAN COUNTY --- 4.2 W BEECH GROVE [37.62, -87.48], 0.6 NNE ELBA [37.66, -87.37]				
	10/18/07 18:32 CST		0.40M	Tornado (EF2, L: 6.62 mi , W: 360 yd)
	10/18/07 18:44 CST		0	Source: NWS Storm Survey
<p>Twelve to fifteen farm buildings were damaged. Six to eight barns were destroyed. One home received heavy damage. Three to four more houses received minor damage. A garage and several vehicles were destroyed. A pontoon boat loaded on a trailer was moved 15 to 20 feet. Numerous trees and power lines were down. The funnel was photographed by a resident of the Beech Grove area. Peak winds were estimated at 120 mph. The average path width was 300 yards. The tornado continued into Daviess County.</p>				
CHRISTIAN COUNTY --- 3.6 NW MACEDONIA [37.12, -87.72], 3.6 NNW MACEDONIA [37.13, -87.69]				
	10/18/07 18:40 CST		0.12M	Tornado (EF2, L: 1.40 mi , W: 300 yd)
	10/18/07 18:42 CST	1	0	Source: NWS Storm Survey
<p>A large area of trees was snapped and uprooted in the Pennyriple State Forest. Some of the trees were 50 to 60 feet tall. A clear path was seen through the forest. A mobile home was blown down a hill and smashed as the tornado crossed Highway 109. An occupant of the mobile home was briefly trapped and sustained lacerations and bruises. The road to the mobile home was blocked by numerous downed trees and trailer debris. Two other mobile homes were severely damaged. A barn were destroyed. Peak winds were estimated near 115 mph.</p>				
FULTON COUNTY --- 2.0 SW HICKMAN [36.55, -89.21]				
	10/18/07 18:40 CST		35K	Thunderstorm Wind (EG 50 kt)
	10/18/07 18:40 CST		0	Source: Emergency Manager
<p>Numerous trees and power lines were down. One home received damage.</p>				
DAVISS COUNTY --- 3.0 SW ST JOSEPH [37.67, -87.37], 5.0 SW OWENSBORO [37.72, -87.18]				
	10/18/07 18:44 CST		0.50M	Tornado (EF2, L: 10.64 mi , W: 360 yd)
	10/18/07 19:05 CST	4	0.20M	Source: NWS Storm Survey

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<p>The tornado crossed into Daviess County from Mclean County. Numerous structures were damaged or destroyed, mostly barns and outbuildings. Several residences were destroyed, and about two dozen others were damaged. Four persons were injured in the West Louisville area when their mobile home was destroyed. Their injuries were mostly minor, although a 4-year-old child was hospitalized in fair condition. The peak winds were estimated at 120 mph. The average path width was 300 yards.</p>				
HOPKINS COUNTY --- 4.3 SW ST CHARLES [37.14, -87.63], 3.1 SSW ST CHARLES [37.14, -87.59]				
	10/18/07 18:48 CST		0.15M	Tornado (EF2, L: 1.86 mi , W: 300 yd)
	10/18/07 18:51 CST	1	0	Source: NWS Storm Survey
<p>Numerous trees were snapped and uprooted as the tornado touched down. Three mobile homes were destroyed, including one with a bent frame. Debris from mobile homes was thrown several hundred yards. A resident of one of the mobile homes received a minor head injury when a tree fell into his residence. Another resident was briefly pinned under debris but was not injured. Rescue crews had difficulty reaching the scene due to trees across roads. Barns and one house were damaged. The damaged house suffered major roof damage, a destroyed porch, and siding damage. Numerous trees fell across roads and power lines. Peak winds were estimated near 120 mph.</p>				
MARSHALL COUNTY --- FAIRDEALING [36.85, -88.23], 2.0 ENE FAIRDEALING [36.86, -88.20]				
	10/18/07 18:55 CST		35K	Thunderstorm Wind (EG 61 kt)
	10/18/07 19:00 CST		0	Source: NWS Storm Survey
<p>Numerous trees were down. Several large trees were snapped off or uprooted. Most of the tree damage was in a subdivision on Kentucky Lake, where one tree fell on a house and caused significant roof damage. A shed was destroyed by a fallen tree.</p>				
TRIGG COUNTY --- 2.5 N CANTON [36.84, -87.95], 4.2 NE CANTON [36.84, -87.90]				
	10/18/07 18:56 CST		0.15M	Tornado (EF1, L: 3.00 mi , W: 75 yd)
	10/18/07 19:00 CST		0	Source: NWS Storm Survey
<p>Many large trees were downed. A boat dock was damaged by a falling tree. Part of a garage was damaged by a large tree limb. Part of a roof was blown off a house. The northeast corner of a tin roof garage was peeled back. One home sustained tree damage. Two cabins in Lake Barkley State Resort Park sustained roof damage. The state park was closed for most of the following day, mostly due to trees and power lines blocking access to the park. Peak winds were estimated up to 100 mph. The tornado occurred near the east shore of Lake Barkley.</p>				
HOPKINS COUNTY --- 0.5 W NORTONVILLE [37.20, -87.48], 1.5 NE NORTONVILLE [37.22, -87.45]				
	10/18/07 18:58 CST		80K	Tornado (EF1, L: 2.00 mi , W: 100 yd)
	10/18/07 19:00 CST		0	Source: NWS Storm Survey
<p>Wooden roofs were removed from two masonry buildings. One tree fell on a house. A gas station canopy was damaged. Power lines were downed due to fallen trees. Tops of trees were torn off, and some trees were uprooted. Peak winds were estimated near 95 mph.</p>				
CALLOWAY COUNTY --- 1.0 S MURRAY [36.61, -88.32]				
	10/18/07 19:00 CST		0	Hail (0.75 in)
	10/18/07 19:00 CST		0	Source: Amateur Radio
MARSHALL COUNTY --- 2.0 ENE FAIRDEALING [36.86, -88.20]				
	10/18/07 19:00 CST		0	Hail (1.25 in)
	10/18/07 19:00 CST		0	Source: NWS Storm Survey
HOPKINS COUNTY --- MORTONS GAP [37.23, -87.48]				
	10/18/07 19:04 CST		0	Thunderstorm Wind (EG 52 kt)
	10/18/07 19:04 CST		0	Source: Trained Spotter
CALLOWAY COUNTY --- 8.0 ESE MURRAY [36.58, -88.19], 1.5 N HAMLIN [36.62, -88.07]				
	10/18/07 19:07 CST		60K	Tornado (EF1, L: 7.23 mi , W: 180 yd)
	10/18/07 19:17 CST		0	Source: NWS Storm Survey
<p>Hundreds of trees were snapped and uprooted. One home received major roof damage, primarily from falling trees. Roads were blocked by downed trees. The average path width was 150 yards. Peak winds were estimated near 95 mph. The tornado path ended at the shore of Kentucky Lake.</p>				
DAVIESS COUNTY --- 2.5 W OWENSBORO [37.77, -87.17], 5.0 NE OWENSBORO [37.82, -87.06]				
	10/18/07 19:09 CST		11.50M	Tornado (EF3, L: 6.99 mi , W: 360 yd)
	10/18/07 19:20 CST	8	0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>About a dozen homes were destroyed, and close to 150 others were damaged. An additional 20 public or commercial buildings were destroyed or condemned. Damage to commercial and public buildings, including churches and schools, was estimated near 10.5 million dollars. Residential structures sustained about 1 million dollars in damage. Two historic churches suffered severe damage. The steeple of one church collapsed into the sanctuary. About 125 people were in the church at the time of the collapse, including 25 where the steeple fell into the sanctuary. They all moved to the basement 5 or 10 minutes before the storm hit, sparing anyone from death or serious injury. On the west side of Owensboro, a man was trapped in his overturned mobile home. He received only minor injuries. A motel was heavily damaged, with nearly the entire roof blown off. Several guests at the motel were treated for injuries, mostly abrasions from falling debris. Almost every building at Brescia University was damaged, mostly to the roofs. Windows were blown out of the science building. Elsewhere, a delivery truck was overturned. Piles of debris from collapsed garages, warehouses, and roofs lined downtown streets during the cleanup. Tobacco warehouses downtown were destroyed or heavily damaged. The most serious damage was in a 12 to 15 square block area in and near downtown. Nearly all city streets were reopened and nearly all power was restored within a few days after the tornado. Peak winds were estimated at 155 mph where the EF-3 damage occurred in downtown Owensboro. The damage path began just northeast of the Owensboro-Daviess County Airport, then curved northeast through the riverfront area of downtown Owensboro. The average path width was 300 yards.</p>				
GRAVES COUNTY --- MAYFIELD [36.73, -88.63]				
	10/18/07 19:10 CST		0	Hail (0.75 in)
	10/18/07 19:10 CST		0	Source: Trained Spotter
TRIGG COUNTY --- 2.5 SW LINTON [36.65, -87.93], 1.5 SW LINTON [36.66, -87.92]				
	10/18/07 19:23 CST		0	Tornado (EF0, L: 1.00 mi , W: 50 yd)
	10/18/07 19:24 CST		0	Source: NWS Storm Survey
<p>Several trees were uprooted. The tornado occurred just south of Pryor Bay on the west side of Lake Barkley. This location is in the Land Between The Lakes National Recreation Area, very close to the Tennessee state line. Peak winds were estimated near 80 mph.</p>				
TRIGG COUNTY --- 3.6 NE LINTON [36.72, -87.85], 9.0 SE CADIZ [36.78, -87.71]				
	10/18/07 19:32 CST		0.12M	Tornado (EF2, L: 9.28 mi , W: 200 yd)
	10/18/07 19:45 CST		0	Source: NWS Storm Survey
<p>Numerous trees were uprooted and blown down. Metal debris was embedded in several trees. Two barns were destroyed. One large garage was destroyed. Debris from the garage was blown up to three quarters of a mile, and projectiles were embedded in the ground up to 200 yards away. Four power poles were snapped. Peak winds were estimated near 120 mph.</p>				
TODD COUNTY --- TRENTON [36.72, -87.27], GUTHRIE [36.65, -87.17]				
	10/18/07 20:50 CST		75K	Thunderstorm Wind (EG 52 kt)
	10/18/07 21:00 CST		0	Source: Law Enforcement
<p>Trees fell on a trailer in Trenton. Two homes, one business, a car, and a truck were damaged by falling trees in Guthrie.</p>				
MUHLENBERG COUNTY --- BEECH CREEK [37.18, -87.07]				
	10/18/07 20:51 CST		0	Hail (0.75 in)
	10/18/07 20:51 CST		0	Source: Trained Spotter
<p>The second and more significant severe weather outbreak of the day occurred as a cold front swept east across the Mississippi Valley. Scattered thunderstorms developed along and ahead of the front late in the afternoon. The storms organized into supercells and short lines during the evening. Over a dozen tornadoes occurred in western Kentucky.</p>				
(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD				
	10/29/07 02:00 CST		0	Frost/Freeze
	10/29/07 08:00 CST		0	
<p>Clear skies and light winds associated with high pressure allowed temperatures to cool into the lower 30's. Widespread frost was observed.</p>				
(KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z014) UNION, (KY-Z018) HENDERSON				
	10/17/07 03:00 CST		0	Dense Fog
	10/17/07 08:00 CST		0	
<p>Widespread dense fog reduced visibility to one quarter mile or less. High pressure over the southern Appalachian Mountains produced a moist southeast low level wind flow just above the surface. Clear skies and nearly calm winds at the surface contributed to the fog.</p>				

Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MISSOURI, Southeast				
NEW MADRID COUNTY --- NEW MADRID [36.60, -89.53]				
	10/17/07 21:20 CST		4K	Thunderstorm Wind (EG 50 kt)
	10/17/07 21:20 CST		0	Source: Trained Spotter
Two trees were blown down associated with a band of thunderstorms and heavy rain.				
RIPLEY COUNTY --- DONIPHAN [36.62, -90.82], NAYLOR [36.58, -90.60]				
	10/18/07 00:25 CST		0.12M	Thunderstorm Wind (EG 56 kt)
	10/18/07 00:25 CST		0	Source: Emergency Manager
In Doniphan, numerous trees and power lines were blown down. One of the trees partially landed on a home, causing moderate damage. A mobile home was damaged. A vacant building sustained roof damage and a broken window. A wind gust to 56 MPH was measured in Doniphan. Near Flatwoods, a barn was blown away on BB Highway. On Highway 21 North, a tree fell on some cars and a house. On County Road 142 east of Doniphan, siding was blown off a trailer, and numerous trees and power lines were down. Near Naylor, numerous treetops were blown onto Route W.				
BUTLER COUNTY --- 3.0 NW POPLAR BLUFF [36.78, -90.44]				
	10/18/07 00:45 CST		9K	Thunderstorm Wind (EG 56 kt)
	10/18/07 00:45 CST		0	Source: Law Enforcement
The state highway patrol headquarters on U.S. Highway 67 just northwest of Poplar Bluff estimated winds gusted to 65 mph. Power lines were blown down. The flag pole was bent. Six trees were blown down on PP Highway.				
BOLLINGER COUNTY --- 4.0 S MARBLE HILL [37.24, -89.97], 4.0 SE MARBLE HILL [37.26, -89.92]				
	10/18/07 01:20 CST		30K	Thunderstorm Wind (MG 61 kt)
	10/18/07 01:22 CST		0	Source: Law Enforcement
A wind gust to 70 mph was measured 4 miles south of Marble Hill, where trees were blown down. Five downed trees and some power lines blocked streets in the city of Marble Hill. Business signs were overturned. Power lines were down in the Leopold area. Numerous power outages were reported.				
STODDARD COUNTY --- DEXTER [36.80, -89.95], BERNIE [36.68, -89.97]				
	10/18/07 01:20 CST		50K	Thunderstorm Wind (EG 52 kt)
	10/18/07 01:25 CST		0	Source: Law Enforcement
In Dexter, a grocery store was partially unroofed. Numerous tree limbs and power lines were down. One large limb landed on a vehicle. Numerous trees were blown down in Bernie.				
CAPE GIRARDEAU COUNTY --- MILLERSVILLE [37.43, -89.80]				
	10/18/07 01:30 CST		10K	Thunderstorm Wind (EG 52 kt)
	10/18/07 01:30 CST		0	Source: Emergency Manager
A tree fell on a Jeep, causing minor damage. County roads were blocked by fallen trees and power lines.				
SCOTT COUNTY --- VANDUSER [37.00, -89.68], KELSO [37.18, -89.55]				
	10/18/07 01:30 CST		30K	Thunderstorm Wind (EG 52 kt)
	10/18/07 01:45 CST		0	Source: Law Enforcement
Numerous trees were reported down throughout the county. The damage was reported mainly in northern, central, and western sections of the county. Some of the worst damage occurred in Kelso, where shingles were blown off roofs.				
CAPE GIRARDEAU COUNTY --- 8.0 SW CAPE GIRARDEAU [37.22, -89.63], 1.0 NE CAPE GIRARDEAU [37.31, -89.52]				
	10/18/07 01:42 CST		0.15M	Thunderstorm Wind (EG 56 kt)
	10/18/07 01:50 CST		0	Source: Trained Spotter
Numerous trees were blown down from just south of Delta to the Cape Girardeau city limits. At least one tree fell against a house, and a tree limb fell on a roof. A trained spotter estimated a 60 mph wind gust 1 mile northeast of Cape Girardeau. In the city of Cape Girardeau, numerous trees and power lines were down in the northwest section of the city. Trees landed on sheds, garages, and a vehicle. Cleanup was expected to take several days. About 6,400 customers in Cape Girardeau were without power at the peak of the outage.				

Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MADRID COUNTY --- MOREHOUSE [36.85, -89.68]				
	10/18/07 02:00 CST		16K	Thunderstorm Wind (EG 56 kt)
	10/18/07 02:00 CST		0	Source: Law Enforcement

Two telephone poles and three trees were down.

MISSISSIPPI COUNTY --- EAST PRAIRIE [36.78, -89.38]				
	10/18/07 02:05 CST		5K	Thunderstorm Wind (EG 50 kt)
	10/18/07 02:05 CST		0	Source: Utility Company

There were two separate instances of power lines blown down. A few large trees were down.

The first of two rounds of severe weather occurred during the early morning hours. This first round was associated with strong low level southwest winds ahead of a deep low pressure center along the Missouri/Nebraska border. Most of the severe weather during the early morning hours was damaging wind associated with short lines of storms.

PERRY COUNTY --- PERRYVILLE [37.72, -89.87]				
	10/18/07 16:08 CST		0	Hail (0.75 in)
	10/18/07 16:08 CST		0	Source: Trained Spotter

STODDARD COUNTY --- 4.0 WSW SWINTON [37.01, -90.02]				
	10/18/07 16:30 CST		20K	Thunderstorm Wind (EG 52 kt)
	10/18/07 16:30 CST		0	Source: Emergency Manager

Numerous trees and power lines were blown down near the intersection of Highways K and M.

NEW MADRID COUNTY --- PARMA [36.62, -89.82]				
	10/18/07 17:40 CST		5K	Thunderstorm Wind (EG 52 kt)
	10/18/07 17:40 CST		0	Source: Law Enforcement

Power lines and a tree were blown down.

The second severe weather outbreak of the day occurred as a cold front swept east across the Mississippi Valley. Scattered thunderstorms developed along and ahead of the front late in the afternoon. The storms organized into supercells and short lines during the evening.

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	10/29/07 02:00 CST		0	Frost/Freeze
	10/29/07 08:00 CST		0	

Clear skies and light winds associated with high pressure allowed temperatures to cool into the lower 30's. Widespread frost was observed.

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID				
	10/17/07 03:00 CST		0	Dense Fog
	10/17/07 08:00 CST		0	

Widespread dense fog reduced visibility to one quarter mile or less. High pressure over the southern Appalachian Mountains produced a moist southeast low level wind flow just above the surface. Clear skies and nearly calm winds at the surface contributed to the fog.

(MO-Z086) BOLLINGER, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD				
	10/02/07 04:00 CST		0	Dense Fog
	10/02/07 08:00 CST		0	

Widespread dense fog reduced visibility to one quarter mile or less. The dense fog was generally to the west of a Marble Hill to Dexter line, including Poplar Bluff, Doniphan, and Van Buren. High pressure over the central Appalachian Mountains produced a moist southeast low level wind flow just above the surface. Clear skies and nearly calm winds at the surface contributed to the fog.