



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1996

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ILLINOIS, South

Jefferson County

8 E Ina to 10 E Ina	19	2015CST 2018CST	2	400	0	0	200K		Tornado (F3)
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Hamilton County

8 WSW Piopolis to 10 NE Piopolis	19	2018CST 2028CST	13	400	0	0	2.8M		Tornado (F3)
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Wayne County

4 SW Barnhill to 2 SW Barnhill	19	2028CST 2030CST	2	400	0	0	200K		Tornado (F3)
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Total damage was estimated around 3 million dollars. The tornado destroyed 3 homes and caused moderate to severe damage to 50 others. About 45 barns and outbuildings were damaged or destroyed, along with 60 to 70 grain bins. The small community of Piopolis was nearly devastated. The intensity of the tornado was just weak (F0 or F1) during most of its life, but it briefly reached F3 intensity.

MISSOURI, Southeast

Perry County

1 N Perryville to Menfro	19	2030CST 2105CST	11.5	175	0	0	5M		Tornado (F3)
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The tornado destroyed 13 homes and caused major structural damage to 5 others. 63 other homes received minor or moderate structural damage. A total of 69 outbuildings and 6 businesses were damaged or destroyed. The Salvation Army and Red Cross were called in to provide food and shelter. State highways and county roads were cleared of tornado debris and open for travel within 24 hours. Extensive damage to utility lines resulted in prolonged power outages lasting a day or two. The F3 damage occurred just west of Menfro, shortly before the tornado dissipated.



National Weather Service

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January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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KENTUCKY, Southwest

Crittenden County

Crayne to 5 NE Shadey Grove	03	1508CST 1523CST	15	440	0	3	5M		Tornado (F3)
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Although the tornado tracked about 15 miles through the county with estimated top winds of 160 MPH, damage was relatively light due to the rural nature of the land. Based on aerial surveys, structures that were heavily damaged or destroyed included 85 homes, 5 to 10 businesses, and 50 to 80 barns and outbuildings. Three people in the Crayne area were transported to a hospital for non life-threatening injuries. About 35 National Guard personnel were deployed to Crittenden County, primarily for damage assessment and security operations. An emergency shelter was opened to accommodate roughly 25 homeless persons.

Webster County

3 SW Diamond to 6 NE Diamond	03	1523CST 1532CST	9	440	0	0	2.4M		Tornado (F3)
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This was one of many rural structures that was destroyed in Crittenden County.

The tornado caused extensive damage in the community of Diamond. Both Crittenden and Webster Counties were declared federal disaster areas.

Daviess County

Rome to Owensboro	03	1606CST 1612CST	7	880	0	18	64M		Tornado (F3)
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National Weather Service

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January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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KENTUCKY, Southwest



This Owensboro apartment complex was heavily damaged in the tornado.

The tornado first touched down near the community of Rome, just southwest of Owensboro, and entered the city near the southern boundary of Owensboro Airport. The tornado tracked northeast through the heart of Owensboro before dissipating on the east side of town. Peak winds were estimated at 180 MPH. Since the tornado path was mostly through densely populated residential and commercial areas, damage was in the tens of millions, but injuries were surprisingly few. Of the 18 injuries, one was critical, and the rest were relatively minor. The critically injured person was in a home near the beginning of the damage path. This person sustained broken vertebrae and numerous cuts and bruises. Owensboro landmarks heavily damaged by the tornado included Apollo High School, Kentucky Wesleyan College, and the Winn-Dixie Store. Damage to the 12 buildings at Kentucky Wesleyan College was estimated to be near 5 million dollars. Small to mid size automobiles were tossed about by the wind. Damage to utility lines was extensive, and repairs took about 10 days to complete. Final damage tallies showed about 1200 homes and businesses sustained damage. Of those 1200 structures, 101 were totally destroyed and 573 sustained major damage. Owensboro was declared a federal disaster area. An emergency shelter accommodated roughly 150 persons, including many from local nursing homes. Owensboro schools were closed for a week.



National Weather Service

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April 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ILLINOIS, South

Wayne County

6 W Wayne City to Ellery	21	1451CST 1530CST	30	500	1	42	4M		Tornado (F3)
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The tornado entered Wayne County about a half mile north of Illinois Route 15, then proceeded to move northeast to a point about 1.5 miles north of Wayne City. The tornado then paralleled Route 15 just north of Sims. The tornado continued moving east toward Fairfield, and passed through the southern part of Fairfield with F-3 intensity winds. The tornado then travelled slightly south of east toward Golden Gate. The tornado weakened east of Golden Gate and finally dissipated in extreme eastern Wayne County near Ellery. The sole fatality occurred 4 miles west of Wayne City, when a 47-year-old man was killed inside his mobile home. Of the 42 hospital-treated injuries, 13 were critical. A total of 35 homes were destroyed, and 16 received major damage. The average wind speed in the tornado was 130 to 170 MPH, with peak winds at or approaching 200 MPH. The F-3 damage was located near Sims, southern sections of Fairfield, near Merriam, and areas west and north of Wayne City. Vehicles were picked up and deposited in houses. Well-constructed houses lost roofs and some walls. Weaker structures, including a tavern near Sims, were demolished.

M47MH

Union County

9 W Dongola to 7 E Dongola	28	0018CST 0035CST	16	400	1	8	5M		Tornado (F3)
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The tornado first touched down in very hilly terrain in the Shawnee National Forest and then tracked east, crossing Route 127 just north of Mill Creek. The tornado then directly struck the community of Dongola, where most of the damage and casualties occurred. A 69-year-old woman was killed as she was attempting to flee her mobile home. The woman had just gotten into her car, started the engine, and turned the lights on when the tornado struck. She was blown away from the car and found dead under a structure across the road from where the vehicle was parked and still running. Elsewhere in the Dongola area, a train was blown off the tracks. Several wood houses were demolished, and seven double-wide trailers were destroyed. Approximately 75 homes were damaged. A recreational vehicle was tossed across Lake Dongola and impaled into the ground.

F69VE



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ILLINOIS, South

Poppe County

3 SW Dixon Spgs to 1.5 NNE Golconda	28	0059CST 0110CST	12	200	0	1	400K		Tornado (F3)
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The tornado touched down near Dixon Springs and tracked east, parallel and very close to Illinois Route 146. The path was through rural farm country and the Shawnee National Forest. A couple of farm buildings were damaged near the beginning of the track. Where the tornado crossed Route 146, a mobile home was destroyed, injuring one person. On the north side of Golconda, one brick home was destroyed and a couple of nearby homes were damaged. The tornado then crossed the Ohio River into Kentucky.

KENTUCKY, Southwest

Webster County

5 W Providence to 4 E Providence	28	0150CST 0159CST	9	880	0	26	15M		Tornado (F3)
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The tornado crossed southern Webster County, producing major damage as it paralleled Highway 120 through Providence. About two dozen persons were injured, and they were transported by ambulance to regional hospitals. One person was critically injured. The tornado produced F-3 damage in Providence, then weakened to an F-2 tornado just east of the city limits. The tornado struck a mobile home park in Providence, destroying 16 of the 20 mobile homes there. About 10 permanent homes were destroyed, and about 100 more homes were damaged.

Hopkins County

3.3 NW Nebo to 1 E Hanson	28	0159CST 0210CST	12	880	0	0	1.8M		Tornado (F3)
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The tornado crossed into Hopkins County just west-northwest of Nebo, and finally lifted after moving through Hanson. The tornado was rated at F-3 intensity in the Nebo area, where four chicken houses were blown off their foundations. About 45,000 chickens were left in the debris. Damage to one chicken facility was estimated between one and two million dollars. The tornado weakened as it progressed across the county. About 10 to 15 residences were significantly damaged.

MISSOURI, Southeast

Carter County

Van Buren to 4.5 ESE Ellsinore	24	1513CST 1545CST	20.5	300	0	2	15M		Tornado (F4)
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April 2002

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MISSOURI, Southeast



This photo of the tornado was taken by Mike Gossett of the National Park Service near Van Buren, early in the life cycle of this 40-mile long tornado. The tornado damage path began on the west side of Van Buren, right along the Current River, and crossed U.S. Route 60 very close to the Current River bridge. Two businesses in Van Buren, a lodge and a restaurant, were heavily damaged by F-2 intensity winds. The tornado travelled southeast across hilly and forested terrain until reaching the community of Ellsinore. Damage on the south side of Ellsinore was severe, where about 7 businesses were destroyed. Most of the damage at Ellsinore, which was inflicted by F-4 intensity winds, occurred along and near U.S. Highway 60. Across Carter County, 13 homes were destroyed and 12 homes suffered major damage. The tornado then moved into the Mark Twain National Forest and crossed into Butler County north of Highway 60

Butler County

**11 W Hendrickson to
5.5 NE Poplar Bluff**

24	1545CST 1618CST	20	650	0	14	30M	Tornado (F4)
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The tornado crossed into Butler County in the Mark Twain National Forest, then proceeded east-southeast, passing 6 to 7 miles north of Poplar Bluff. An upscale residential subdivision beyond the northern outskirts of Poplar Bluff, just off U.S. Route 67, received extensive damage. At least two well-constructed homes were levelled by peak winds estimated around 210 MPH. A total of 50 homes were destroyed in Butler County, 16 others received major damage, and 30 homes received minor damage. Most of the damaged homes were north of Poplar Bluff. Total damage figures for Butler County included timber losses in the national forest. The total number of injuries requiring hospital care that were directly attributed to the storm was 16. Five of the injured were admitted in critical condition. There were no fatalities from the storm. A woman who lived off U.S. Highway 67 took shelter in her bathtub. She reported that she and the bathtub were blown about 200 feet. She was reportedly found in the median of the highway. She was treated for a cracked sternum, broken ribs, a broken toe, and bruised lungs. In another incident on Highway 67, a large chunk of asphalt was blown through a vehicle's window, striking one of the people inside. The car was extensively damaged when it was blown off the road, but the 3 people inside received only cuts and bruises.

Bollinger County

**8 SW Marble Hill to
4 SW Marble Hill**

27	2340CST 2345CST	4	200	1	16	4M	Tornado (F3)
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National Weather Service

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April 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

MISSOURI, Southeast



This aerial photo of the damage area shows the lake where residents of the nearby homes were tossed.

This strong tornado with peak winds near 180 MPH touched down in a rural area southwest of Marble Hill. A total of 19 residences were severely damaged, and 6 were destroyed. Approximately 10 of the residences were mobile homes and 15 were single-family homes. Another 50 outbuildings, such as barns and sheds, were destroyed or damaged. Seven people were inside a house that was demolished. One of the victims, a 12-year-old boy, was thrown about 50 yards from the house and fatally injured. Several others in the immediate area, possibly the other occupants of the house, were thrown into a nearby lake and swam to safety. Of the 16 people injured in the tornado, four were air lifted to hospitals with serious injuries. Cars were stacked atop cars. Several residents were trapped inside the debris of their homes for up to 3 hours. The large number of trees down across roads delayed the arrival of rescue teams.

M12PH



National Weather Service

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May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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ILLINOIS, South

Pulaski County

1 W Grand Chain to 5 E Grand Chain	06	2032CST 2040CST	6	1000	1	13	3.5M		Tornado (F4)
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A mobile home was blown some distance and demolished in rural eastern Pulaski County.

This violent tornado began near Grand Chain and reached its maximum intensity of 210 MPH as it neared the Massac County line. A 53-year-old man was killed when the chimney of his house collapsed on him. The man, who was in his basement, was protecting his son by lying on top of him when the collapse occurred. The son received broken bones. Their house was impaled by some nearby large trees that prevented it from being swept farther away. Along the Pulaski County portion of the tornado path, six single family homes and ten mobile homes were destroyed. Another ten single family homes and a mobile home had major damage. A few dozen other residences received some type of minor damage. A few dozen outbuildings, two businesses, and a campground were destroyed or had major damage. Approximately 13 persons were injured, but only a few of those required hospitalization. All roads in the damage area were impassable due to large numbers of trees and building debris on them. Many of the tornado victims in this county had no insurance on their residences. The area of most intense destruction was along Tick Ridge Road, a state road that follows a ridge above the Ohio River. M53PH

Massac County

2 W Hillerman to 5 E New Columbia	06	2040CST 2114CST	14	1000	1	20	10M		Tornado (F4)
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National Weather Service

Storm Data and Unusual Weather Phenomena



May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, South



The frame of a mobile home was wrapped around two tree trunks in the above photo. The occupant of the mobile home, a 65-year-old woman, was found dead in a flooded ravine about 100 yards from the mobile home site.

The tornado was near its maximum F-4 intensity as it crossed the Pulaski County line into western Massac County near the community of Hillerman. Estimated winds of 210 MPH disintegrated mobile homes and levelled several modern frame homes. One frame house was swept clean off its foundation, with only the roof left intact in a creek about 200 yards away. Many vehicles were lifted, rolled, or thrown up to 100 yards or more. Numerous cases of missileing were observed, including glass embedded in trees. Tree destruction in forested areas was nearly complete, and a few trees were debarked. The only fatality in Massac County was a 65-year-old female who was killed when her mobile home disintegrated. The official cause of death was blunt trauma to the head. She was found in a water-filled ravine about 100 yards from the former site of her mobile home. The frame of the mobile home was wrapped around the trunks of two trees that were stripped of all their limbs. Most of the levelled frame homes were concentrated on Boaz Road and Rolling Hills Road, in or near Hillerman. After passing through Hillerman, the tornado overturned dozens of railroad cars of a train just west of the Mermet Lake Conservation Area, which is off U.S. Route 45. The Mermet Lake Conservation Area was extensively damaged. An estimated 300 acres of forest were destroyed, boat docks were destroyed, and bathing facilities were destroyed. Dozens of waterfowl were found dead. After destroying additional residences and high tension power lines, the tornado crossed Interstate 24 near mile marker 28, about a mile south of the New Columbia exit. Tractor-trailer rigs and a tour bus were overturned on the interstate, injuring the drivers. The interstate was closed due to grain bins, tree limbs, and some building debris on the highway. Additional residences were destroyed between the interstate and the Pope County line. The tornado crossed into Pope County near where Illinois Route 145 crosses the county line. In Massac County, a total of 15 single-family houses and 13 mobile homes were destroyed. About 20 other single-family houses and 15 mobile homes received major damage. Several dozen other residences had some type of minor damage. Numerous vehicles and farming implements were destroyed, including combines. About 20 persons were injured in Massac County, but only one or two were hospitalized in serious or critical condition. Most of the injuries involved lacerations, bruises, broken bones, and internal injuries. Near Hillerman, a deputy sheriff escaped unhurt after his patrol car was thrown about 50 yards and struck by a flying tree and telephone pole. F65MH



National Weather Service

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May 2003

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ILLINOIS, South

Pope County

2.5 W Temple Hill to 1 N Golconda	06	2114CST 2142CST	13	600	0	0	2.5M	Tornado (F3)
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The tornado entered Pope County near where Illinois Route 145 crosses the Massac County line. The tornado passed near the communities of Temple Hill, Homberg, and Brownfield. In Pope County, three mobile homes and four permanent homes were destroyed, along with numerous barns and outbuildings. An additional nine single-family homes and two mobile homes received major damage. Dozens of other residences received minor to moderate damage. Some vehicles were rolled or moved. The tornado passed just west and northwest of Golconda before ending about a mile north of town. Just west of Golconda, the roof was blown off the county elementary school's gymnasium. Despite the seven destroyed residences, not one injury was reported. The maximum intensity of the tornado was rated F-3 in Pope County, and F-4 in Massac and Pulaski Counties. The slightly lower intensity of the tornado, combined with the fact it narrowly missed the center of several Pope County communities, may partly explain the lack of injuries. When the tornado ended just north of Golconda, it had been on the ground for 33 miles and an hour and ten minutes. Where the track of the tornado ended near Golconda, the Ohio River and Kentucky state line were less than a mile away.

The deadliest and most destructive storm of the night tracked within 10 miles of the Ohio River across extreme southern Illinois. The storm produced a 33-mile long tornado that killed two and injured about 33. A small but very damaging downburst occurred several miles south of the tornado track. A swath of large hail occurred north of the tornado track. Hailstones up to 2 inches in diameter were reported at and near the intersection of Highways 145 and 147, near the community of Glendale in Pope County.

KENTUCKY, Southwest

Mclean County

.2 S Sacramento to 1.5 ESE Sacramento	11	0018CST 0021CST	1.8	80	0	2	400K	Tornado (F3)
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One home was destroyed, and one home was severely damaged. A mobile home disintegrated, with the frame found one quarter mile away. Several barns or sheds were destroyed. Two vehicles were rolled. Numerous trees were uprooted, and some were blown some distance. The damage path began about one quarter mile west of Highway 81 in the south end of Sacramento, then extended eastward. The two injuries were relatively minor. Peak winds were estimated near 170 MPH.

MISSOURI, Southeast

Cape Girardeau County

Jackson to 2 NE Jackson	06	1945CST 1950CST	2	50	0	2	12M	Tornado (F3)
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The tornado touched down at the intersection of Highway 34 and Business Loop I-55 in Jackson, then moved northeast across downtown Jackson and the Bent Creek Golf Course. The damage path ended about 300 yards short of Interstate 55. Several trees blocked Interstate 55 near Jackson. Peak tornado winds were estimated near 180 MPH. The police and fire headquarters building was near the beginning of the damage path. The roof was blown off the building and windows were blown out, allowing rain to flood the building and cause extensive damage. The hazardous materials trailer and communications van were overturned. City police and fire operations were moved to alternate quarters. Streets were blocked by flipped cars and downed trees and power lines. Numerous large trees were snapped or uprooted. The roofs and some walls were torn off many buildings and homes, as well as a school in downtown Jackson. About 200 structures in Jackson received at least some degree of damage. Approximately 22 homes were destroyed, 43 received major damage, and 140 received minor damage. Of those, six were mobile homes and four were apartment buildings. Three businesses were destroyed, including a bakery. Four other businesses had major damage, including a storage company and a woodworking business. Two injured persons were treated and released from a local hospital. One family safely took shelter in their basement while baseball size hail battered the kitchen floor of their unroofed home, and a small sports car landed in



National Weather Service

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May 2003

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

MISSOURI, Southeast

their living room. Twenty gas leaks caused by the tornado were repaired within 6 hours. Power was restored to all but 30 homes within 48 hours.

A supercellular severe thunderstorm tracked northeast across Bollinger and Cape Girardeau Counties, producing several tornadoes and hail up to golf ball size. Other severe thunderstorms north of the supercell's path produced damaging wind gusts and large hail



National Weather Service

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November 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

INDIANA, Southwest

Vanderburgh County

**4.5 SW Cypress to
2 SE Cypress** **06 0145CST
0150CST** **4.2 400** **0 0** **150K** **Tornado (F3)**

This tornado first crossed into Vanderburgh County, Indiana from Henderson County, KY at a peninsula formed by the Ohio River just west of Henderson. This peninsula is Ohio River bottomland primarily used for farming. From the air, scour marks were clearly visible on farmland. There were very few structures impacted in this small part of the county. A two-story house built in 1875 sustained major roof damage. Tree branches were embedded into the house. One farm equipment shed was demolished, and another sustained major damage. A 10,000-pound truck was flipped over. Heavy farm equipment was moved several feet. The tornado crossed the Ohio River back into Henderson County in a sparsely populated flood plain, used mostly for farming.

Vanderburgh County

**2.5 S Evansville to
5 ESE Evansville** **06 0154CST
0203CST** **5 400** **20 200** **15M** **Tornado (F3)**



This photo of the deadly F-3 tornado was taken by a webcam at Deaconess Women's Hospital in Evansville during a lightning flash.

The tornado crossed into Vanderburgh County from Henderson County, KY a second time near Ellis Park, a horse-racing facility off U.S. Highway 41. The tornado moved rapidly east-northeast at close to 60 MPH, staying a mile or less south of Interstate 164 and the southern city limit of Evansville. Twenty people perished at a large mobile home park on the south side of the interstate. Of about 350 mobile homes in the park, 100 were destroyed and another 125 were damaged. Many of the destroyed homes were obliterated. The coroner reported that most of the victims were probably killed instantly, many by spine and skull fractures. Several bodies were carried almost two hundred yards. Several of the fatally injured persons were found in a nearby retention pond that was drained to find victims. An 8-year-old child was found alive in a ditch after being trapped under debris for about 12 hours. One person, who was thrown 150 feet, died of complications from tornado injuries on December 17. The tornado exited into Warrick County at the Angel Mounds State Historic Site, just south of Interstate 164. M5MH, M25MH, F56MH, M59MH, F6MH, M26MH, F46MH, F31MH, M28MH, F60MH, M2MH, F61MH, F46MH, M38MH, M54MH, F78MH, M64MH, F67MH, F28MH, F45MH



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INDIANA, Southwest

Warrick County

2.5 W Newburgh to 2 NE Tennyson	06	0203CST 0222CST	21	500	4	30	65M		Tornado (F3)
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This tornado, which crossed into Warrick County from Vanderburgh County just south of Interstate 164 (at Angel Mounds), crossed the entire county in less than 20 minutes. The tornado reached its peak intensity in Warrick County, where winds reached about 200 MPH. The peak winds occurred along Highway 261 and Lincoln Road, in an industrial park near Paradise, and in DeGonia Springs. As the tornado passed south of Boonville, the county seat of Warrick County, a teenage girl was killed in a vehicle. In the community of DeGonia Springs, three persons in a mobile home were killed. One of the victims was a woman who was 8-months pregnant. From the north side of Newburgh to DeGonia Springs, houses were severely damaged or destroyed, and vehicles were tossed. Some of the tornado victims were moved 40 feet or more. The tornado passed just to the south of Tennyson before exiting into Spencer County. M33MH, F28MH, M4MH, F18VE

This was the deadliest tornado in Indiana since April 3, 1974. This tornado tracked a total of 41 miles from Henderson County, KY into Spencer County, IN. A total of at least 500 homes and buildings were destroyed or severely damaged. Much of the damage was upper F-2 to lower F-3 intensity. Although the tornado was up to 500 yards wide, the average path width was 275 yards. Of the approximately 230 injuries, 20 were critical, and 63 resulted in hospital admissions. This tornado was the more northern tornado of a pair of strong supercell tornadoes that occurred simultaneously. The southern tornado occurred in Crittenden and Webster Counties of Kentucky.

KENTUCKY, Southwest

Henderson County

2 NNW Smith Mills to 5.5 NE Smith Mills	06	0139CST 0145CST	5.5	400	0	0	100K		Tornado (F3)
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The tornado first touched down in northwest Henderson County and moved rapidly east-northeast across Ohio River bottomland. This fertile bottomland, used primarily for farming, was sparsely populated. A well-defined swath of snapped and uprooted trees was visible by air. An isolated farm house a few miles northeast of Smith Mills was destroyed. A pickup truck at the house was thrown into a field and destroyed. Due to the winding course of the Ohio River, which forms much of the Kentucky/Indiana border, the tornado crossed the river three times. The first crossing was into a peninsular section of Vanderburgh County, Indiana.

Henderson County

3 N Henderson to 5 NNE Henderson	06	0150CST 0154CST	3.1	400	0	8	7M		Tornado (F3)
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The tornado that would cause mass casualties in the Evansville, Indiana area crossed the Ohio River a second time. This second crossing was from Vanderburgh County, Indiana into Henderson County. The tornado then crossed the river a third time less than a mile west of the U.S. Highway 41 twin bridges. The river does not form the state line at the third crossing. From the bridges, extensive tree damage was visible along both sides of the Ohio River. Almost immediately after crossing the river, the tornado slammed into a horse racing facility named Ellis Park. There was extensive damage to grandstands and housing facilities for jockeys. A few race horses were killed. This facility was the first major facility to be impacted by the tornado. All of the Henderson County tornado injuries were at Ellis Park. The tornado then crossed back into Vanderburgh County, Indiana after striking Ellis Park

Crittenden County

2 NW Mattoon to 3 NE Nunn	06	0146CST 0155CST	6.2	150	0	5	300K		Tornado (F3)
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The tornado touched down one quarter mile west of Highway 654 and moved rapidly east-northeast. A mobile home on Highway



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					Killed	Injured	Property	Crops	

KENTUCKY, Southwest

654 was overturned and destroyed, injuring a 12-year-old boy. A house roof was blown off. Where the tornado crossed Highway 365, a two-story home was completely demolished. The home exterior was mainly vinyl with some brick. Three persons in the house were injured. Two of the injured were treated and released, but a third person was critically injured and transferred to an Evansville hospital. The tornado was estimated to be at its strongest near Highway 365, with peak winds of 160 MPH. A small boat was carried about 400 yards, and several vehicles were moved. After crossing Highway 365, the path was roughly parallel to and less than a mile north of U.S. Highway 60. The tornado crossed Highway 60 and exited into Webster County about a mile northeast of Arflack Hill. Where the tornado crossed U.S. Highway 60, a truck trailer was overturned, and a house roof was damaged. Along the entire length of the path, numerous large trees were snapped or uprooted.

The Crittenden/Webster County tornado was one of a pair of strong supercell tornadoes that occurred simultaneously. This tornado, which was the more southern tornado, was shorter-lived and somewhat weaker than its northern counterpart. The northern tornado caused considerably more destruction and loss of life in the Henderson, KY and Evansville, IN areas.

Marshall County

**2 SW Brewers to
6.5 ENE Briensburg**

15	1356CST 1427CST	19.5	500	1	20	8M	Tornado (F3)
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Photo of the tornado during its peak intensity in eastern Marshall County, not far from Moor's Resort along Kentucky Lake.

The long-track tornado entered Marshall County from extreme northwest Calloway County. As the tornado moved quickly northeast across Marshall County, it reached its peak intensity of 200 MPH as it approached the Kentucky Lake resort campgrounds and boatyards. Until the tornado reached U.S. Highway 641 south of Benton, mostly F-1 damage occurred. Garages and barns sustained varying degrees of damage, and numerous trees were down. The most serious damage, ranging up to F-3 intensity, occurred from Big Bear Highway to Moor's Resort on Kentucky Lake. The occupant of a destroyed mobile home was killed in this area. The mobile home was thrown 40 feet and overturned before catching fire. At Moor's Resort, a year-round camping area was struck directly. A total of 115 RV's were destroyed, and the campground was devastated. A dock was demolished, taking a number of boats with it. Although the harbor and campground were destroyed, cabins and other lodging facilities outside of the tornado path were untouched. The average path width of this tornado was 275 yards, but it grew to a maximum of 500 yards in Marshall County. In Marshall County, approximately 19 homes were destroyed, 36 suffered major damage, and 65 received minor damage. The tornado then moved over Kentucky Lake and crossed into Lyon County.

The total path length of the tornado across Graves, Calloway, Marshall, and Lyon Counties was 44 miles. Estimated time on the ground was 65 minutes. M63MH



National Weather Service

Storm Data and Unusual Weather Phenomena



November 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Hopkins County

1.5 SW Earlington to 7 E Hanson	15	1527CST 1550CST	15	800	0	40	31M		Tornado (F4)
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Photo of the Hopkins County tornado, taken from a school near Earlington. Photo taken by Leonard Costanzo.

This violent tornado reached its peak intensity on the north side of Earlington, near the beginning of its track. Peak winds there were estimated near 220 MPH. Several houses in this area, on either side of U.S. Highway 41, were levelled. Large oak trees were reduced to nubs, and the ground was scoured to bare dirt. A steel beam was carried some distance and became wedged against trees and other debris. 24 people were treated for injuries at a local hospital, and three of the injuries were critical. About 151 homes and buildings were destroyed, 67 suffered major damage, and 303 received minor damage. Damage indications, as well as eyewitness accounts, indicate the occurrence of multiple vortices near Earlington. The tornado continued northeast and weakened, crossing the Pennyriple Parkway at mile marker 41. The tornado lifted less than a mile from the Mclean County border. The average path width was 525 yards. The tornado was close to a half mile wide in places.



National Weather Service

Storm Data and Unusual Weather Phenomena



March 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

MISSOURI, Southeast

Perry County

4.8 WNW Brewer to 4.8 NW Mc Bride	11	2120CST 2147CST	7	400	2	10	1M	Tornado (F3)
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The tornado entered Perry County from Ste. Genevieve County near Highway NN and just west of the community of Giboney. The tornado moved northeast, crossing Interstate 55 only about one-half mile from the Ste. Genevieve County line. Two fatalities and F3 damage occurred in the vicinity of where the tornado crossed U.S. Route 61. The two fatalities occurred on U.S. 61, where a vehicle was picked up and thrown into a propane tank. The truck in which they were riding was likely picked up, flipped over, and slammed into the ground several times. The coroner stated that the victims died instantly. One of the victims was ejected from the truck, which then struck the top of a large propane tank. Because of the ensuing propane leak, the victim still in the truck could not be removed until the following day, when the propane was off-loaded from the tank. Both of the victims in the vehicle were residents of a mobile home who were trying to flee the tornado. The home from which they fled sustained only minor damage. At least four other people were significantly injured as they were picked up by tornadic winds and hurled 100 yards. Their injuries were compounded by wind-blown debris. Eight victims were admitted to a local hospital to remove debris which penetrated their bodies, and two others were sent to regional hospitals for serious injuries. Three mobile homes were flattened, a brick house had its roof and several walls blown off, and numerous vehicles were tossed around. A total of about a dozen residences were destroyed or severely damaged in Perry County. Perry County was designated a federal disaster area, enabling individual residents to apply for relief. The dashboard camera in a sheriff deputy's patrol car captured the tornado on film as it crossed U.S. 61 at F3 intensity. Peak winds were estimated near 170 MPH. The tornado crossed into Randolph County, Illinois at Old River, near some railroad tracks about 1.5 miles southeast of St. Marys.

M40VE, F49VE



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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KENTUCKY, Southwest

Christian County

3 NNE Gracey to
1 SSE Ovil

02	1950CST 2011CST	19.5	700	0	22	35M	Tornado (F3)
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Photo of F3 tornado taken by webcam at Jennie Stuart Hospital in Hopkinsville.

The tornado formed from a long-track supercell that originated in southeast Missouri near Poplar Bluff. The tornado began less than two miles from the Trigg County line with an east-southeast movement, then curved slightly left before crossing Highway 91. The tornado moved east-northeast across central Christian County, passing less than four miles north of downtown Hopkinsville, before crossing into Todd County less than a mile north of Pilot Rock. Near the beginning of the damage path, a church was levelled. Across the county, 91 homes were destroyed, and another 171 homes sustained varying degrees of damage. Several people were pulled from the debris of their homes during a door-to-door search that lasted into the next morning. Of the 22 people directly injured by the tornado, 17 were checked in at the local hospital, and five were transferred to regional hospitals. Another ten or so people received injuries not directly inflicted by the tornado, such as driving into fallen trees. None of the injuries, which consisted mostly of cuts, bruises, and fractures, were considered life-threatening. Numerous garages, barns, and outbuildings were destroyed. Some vehicles were damaged or destroyed. Hundreds of trees were downed, snapped, or uprooted. Power was out to most of the city of Hopkinsville for about six hours as a result of downed steel towers that carry primary transmission lines. Peak winds were estimated near 185 MPH. The average path width was 500 yards. It should be noted that the initial tornado reformed or reorganized about 7 miles northeast of Hopkinsville, leaving a break in the tornado path less than a mile long. Downburst wind damage occurred both north and south of the area where the tornado reorganized, resulting in a two-mile wide swath of damage along Highway 107. The webcam at the local hospital captured the tornado as it passed north of downtown Hopkinsville



National Weather Service

Storm Data and Unusual Weather Phenomena



September 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, South

Massac County

2.5 WNW Metropolis Mu	22	1420CST	3.5	125	0	2	500K	Tornado (F3)
2.5 WSW Round Knob		1427CST						



Photo of a pickup truck that landed in a pond.

This tornado, which contained peak winds near 160 MPH, struck between Joppa and the Metropolis airport. The damage path started about a mile from the Ohio River, where F-1 winds uprooted numerous trees. As the tornado crossed U.S. Highway 45 near Joppa Road, a barn was destroyed. The tornado then strengthened to F-3 intensity, destroying a log home. The roof and an exterior wall of the well-constructed log home were blown about one-half mile. Another house nearby sustained major damage. Four mobile homes were destroyed, along with garages and outbuildings. Part of a double wide mobile home blew into a church sanctuary. Six vehicles were tossed up to 100 yards. At least one of the vehicles landed in a pond. The only two persons injured were residents of a destroyed mobile home. The worst of the injuries was a broken arm. Hundreds of trees were broken or uprooted, and numerous trees fell on cars. Numerous power poles were downed. A seriously injured dog was found in a ditch one quarter mile away. The most intense damage, where vehicles were tossed, occurred about two-thirds of the way along the damage path near Red Oak Road. The tornado was witnessed by the general public. The average path width was 100 yards.

MISSOURI, Southeast

Perry County

3 SE Perryville to	22	1513CST	8	220	0	5	7M	Tornado (F4)
3.5 ENE Crosstown		1525CST						



National Weather Service

Storm Data and Unusual Weather Phenomena



September 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

MISSOURI, Southeast



House swept clean off foundation near Crosstown.

This violent F-4 tornado reached its maximum intensity near the village of Crosstown, where peak winds were estimated near 210 MPH. Along the Perry County portion of the tornado track, 62 homes were destroyed, 17 had major damage, and 23 received minor damage. Ten of the destroyed homes were mobile homes, and seven that sustained major damage were mobile homes. Three churches were destroyed or heavily damaged. Numerous vehicles were tossed. Over 100 utility poles were broken off. Hundreds of trees were broken off or uprooted. The tornado first touched down at County Road 302 near Friedenburg, where F-1 winds destroyed a barn and partially unroofed a two-story house. There were also downed trees, including a few that fell on a house. As the tornado continued northeast across County Road 316 between Crosstown and Friedenburg, it widened to about 100 yards. Scores of trees were broken off or uprooted, and the roof was blown off a house. The tornado strengthened to F-3 intensity as it reached the junction of Highways P and C in Crosstown. The roof was torn off a church, windows were broken, and other structural damage occurred. Nearby, the roof was blown off a two-story brick store that was over 100 years old. An overturned vehicle was in the front yard, and trees were mangled. The width increased to 220 yards. In the center of Crosstown on Highway C, the tornado reached F-4 intensity. This is where a site-built house was levelled. The F-4 damage continued east along County Road 350 in Crosstown, where two more site-built houses were levelled. Only the bolted-down floor of one residence remained. An eyewitness along County Road 350 stated he took shelter in the basement after seeing fog coming directly toward him. His house remained mostly intact, except for the roof and garage. The tornado weakened to F-3 intensity about one to two miles east of Crosstown, where a modular home was destroyed except for the bathroom. A vehicle was tossed in the yard. The weakening trend continued east along County Road 350 to the Mississippi River, where many trees were uprooted and broken off. Some outbuildings were thrown around. The path width decreased to 75 yards as the intensity lowered to F-1. The average path width was 150 yards. There were five injuries requiring medical attention, including one broken arm. Two people were moderately injured when the vehicle they were driving was tossed into a house. Dozens of other residents received minor injuries but did not seek medical attention. Where the tornado crossed the Mississippi River, a barge loaded with coal was pushed to the shoreline. The windows were blown out of the tug boat, and enough coal was blown into the tug boat that it was shovelled out. The tornado crossed the Mississippi River into Jackson County, Illinois



National Weather Service

Storm Data and Unusual Weather Phenomena



September 2006

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage Property	Crops	

MISSOURI, Southeast