

November 15, 2005 - Western KY Tornado Outbreak

Three lines of strong to severe thunderstorms moved from west to east during the morning and afternoon of November 15. All three lines of storms contained numerous rotating thunderstorms, known as supercells. A couple of strong to violent tornadoes were spawned by these supercells, along with numerous funnel clouds and several weaker tornadoes.

The Paducah office conducted flyovers of southern Illinois and western Kentucky to determine all areas of major damage. Ground surveys and final damage determinations were completed in western Kentucky.

The final report on all tornadoes and severe thunderstorms during the month of November is available in Storm Data. Report includes more detailed damage information than shown below.

Hopkins County, KY Tornado

PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE PADUCAH KY
523 PM CDT THU NOV 17 2005

...PRELIMINARY DAMAGE SURVEY RESULTS FOR HOPKINS COUNTY KENTUCKY...

THE FOLLOWING IS A PRELIMINARY DAMAGE ASSESSMENT FOR THE DAMAGE THAT OCCURRED OVER THE CENTRAL AND EASTERN SECTIONS OF HOPKINS COUNTY KENTUCKY ON NOVEMBER 15 2005.

* EVENT DATE: TUESDAY NOVEMBER 15 2005

* EVENT TYPE: F4 TORNADO

* EVENT LOCATION: 1.5 MILES SOUTHWEST OF EARLINGTON TO 7 MILES EAST OF HANSON.

* PEAK WIND: 210 MPH

* AVERAGE PATH WIDTH: 525 YARDS (APPROXIMATELY 1/3 MILE). TORNADO WAS CLOSE TO A HALF MILE WIDE IN PLACES.

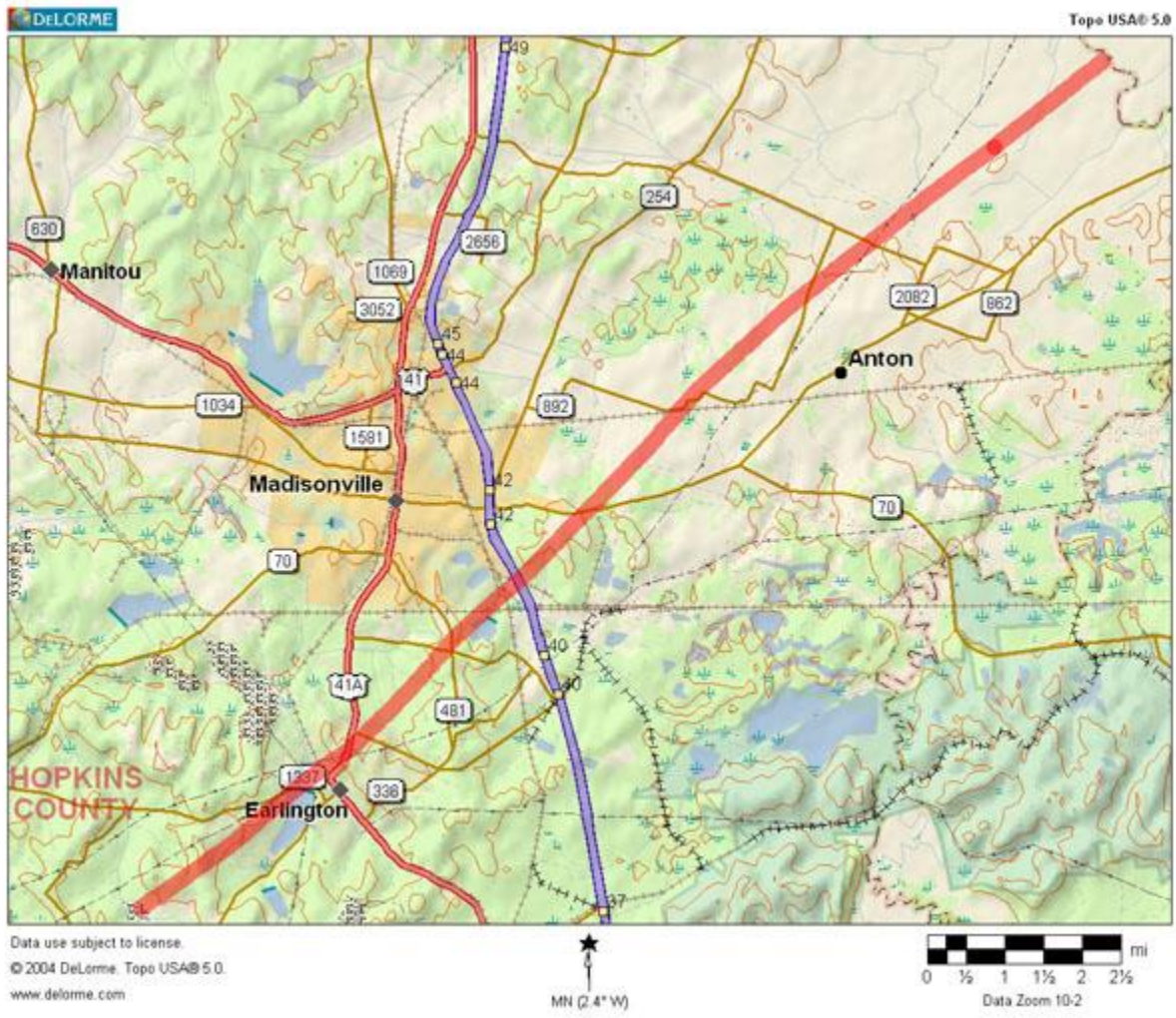
* PATH LENGTH: 15 MILES

* INJURIES: 27

* FATALITIES: NONE

* DISCUSSION/DAMAGE: THE TORNADO TOUCHED DOWN 1.5 MILES SOUTHWEST OF EARLINGTON AND LIFTED APPROXIMATELY 7 MILES EAST OF HANSON NEAR THE HOPKINS/MCLEAN COUNTY BORDER. PEAK WIND SPEED WAS REACHED IN THE HIGHLAND PARK ROAD AREA OF EARLINGTON. DAMAGE INDICATIONS AS WELL AS EYEWITNESS ACCOUNTS INDICATE THE OCCURRENCE OF MULTIPLE VORTICES NEAR EARLINGTON. DAMAGE RESULTS ARE AS FOLLOWS: 303 BUILDINGS/HOMES RECEIVED MINOR DAMAGE...67 RECEIVED MAJOR DAMAGE...AND 151 WERE DESTROYED.

Map of damage path:



Pictures of Hopkins County, KY Tornado

Photo of actual tornado taken by Leonard Costanzo.





Photos from the NWS ground damage survey in Hopkins County, KY...







Marshall County, KY F3 Tornado

Investigation confirmed mainly F-0 or F-1 damage along a path extending from central Graves County across the extreme northwest corner of Calloway County to near U.S. Highway 641, two miles south of Benton. In Graves County, the path of more significant damage began about midway between Mayfield and Sedalia, then passed through the community of Golo in eastern Graves County. The continuity of the damage path was difficult to ascertain due to open fields and poor road access. Garages and barns sustained varying degrees of damage, and numerous trees were down. On the eastern end, damage surveys indicated the tornado crossed Lake Barkley, striking a subdivision and crossing Interstate 24 just southeast of Exit 45. Some of this damage appeared to be F-2 intensity. The damage path ended near the community of Saratoga in Lyon County.

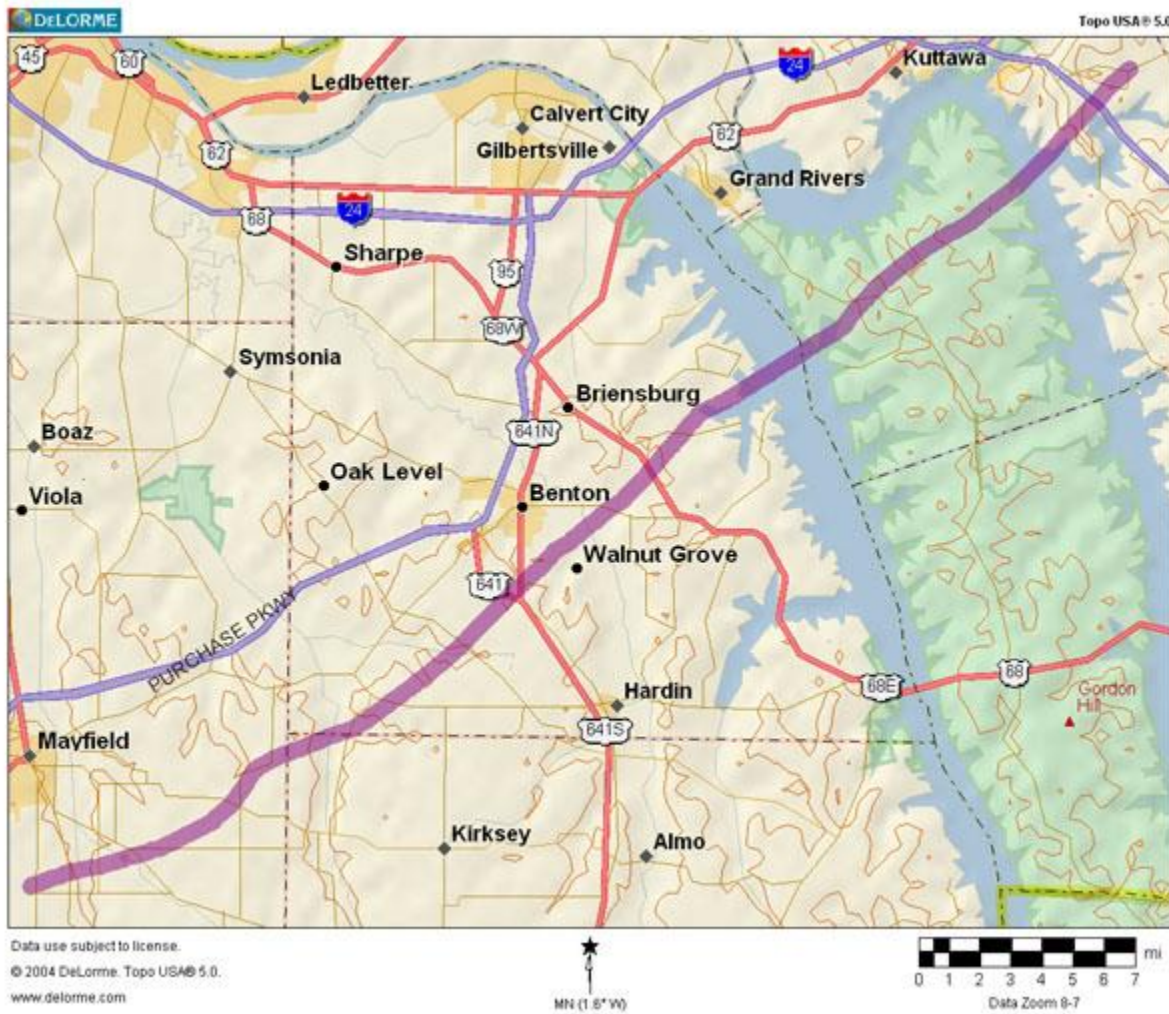
...UPDATED DAMAGE SURVEY RESULTS FOR GRAVES...MARSHALL...AND LYON COUNTIES IN KENTUCKY AND LAND BETWEEN THE LAKES RECREATION AREA...

THE FOLLOWING IS AN UPDATED PRELIMINARY DAMAGE ASSESSMENT FOR THE DAMAGE THAT OCCURRED OVER MARSHALL COUNTY KENTUCKY AND THE LAND BETWEEN THE LAKES (LBL) RECREATION AREA ON NOVEMBER 15 2005.

- * EVENT DATE: TUESDAY NOVEMBER 15 2005
- * EVENT TYPE: F3 TORNADO
- * EVENT LOCATION: FROM APPROXIMATELY 2.5 MILES SOUTH OF MAYFIELD IN GRAVES COUNTY...THROUGH MARSHALL COUNTY AND THE LBL RECREATION AREA...TO SARATOGA IN LYON COUNTY
- * PEAK WIND: 200 MPH (PEAK WIND OCCURRED FROM BIG BEAR HIGHWAY TO MOORS RESORT)
- * AVERAGE PATH WIDTH: 275 YARDS. (TORNADO WAS CLOSE TO 500 YARDS WIDE IN PLACES)
- * PATH LENGTH: 44.1 MILES.
- * INJURIES: 10
- * FATALITIES: 1

* DISCUSSION/DAMAGE: ADDITIONAL SURVEYS WERE COMPLETED OVER THE WEEKEND. THE TORNADO TOUCHED DOWN AROUND 145 PM NEAR THE SOUTH HIGHLAND COUNTY CLUB IN SOUTH HIGHLAND IN GRAVES COUNTY. BY 2:15 PM THE TORNADO WAS NEAR SLAUGHTER ROAD IMMEDIATELY EAST OF HIGHWAY 641 IN MARSHALL COUNTY...REACHED MOORS RESORT AROUND 2:25 PM...HILLMAN FERRY CAMPGROUND AROUND 2:30 PM...AND THE EXTREME NORTHEAST CORNER OF LBL AROUND 2:40 PM. THE TORNADO CONTINUED NORTHEAST AND LIFTED NEAR SARATOGA IN LYON COUNTY AROUND 250 PM. DAMAGE RESULTS SO FAR ARE AS FOLLOWS: 120 STRUCTURES RECEIVED DAMAGE...65 WITH MINOR DAMAGE...36 WITH MAJOR DAMAGE...AND 19 DESTROYED.

Map of damage path:



This tornado, with a path length of 44.1 miles is the longest tornado path in recent memory. The F4 tornado in Massac County in 2003, had a path length of 33 miles.

The next several images are from Moors Marina along Kentucky Lake.





The following pictures are of the heavily damaged Moors Marina courtesy of David Forbis...





Daviess County, KY Tornado

Daviess County, Kentucky - An **F0 tornado** touched down briefly approximately 1 mile northwest of Utica....along Highway 1207 between Highway 81 and Highway 431. No damage was reported. This information is based on reports from Daviess County EM and photographs.



This image is courtesy of Richard Payne. This tornado was photographed in southern Daviess County, Kentucky.

New Madrid County, MO Tornadoes

Lilbourn, Missouri (New Madrid County)- **An F0 tornado** touched down at 230 PM, three miles southwest of Lilbourn and traveled 1/4 mile before lifting. The peak winds were estimated to be 70 mph and the path width was 50 yards. Damage: An old equipment shed was destroyed. Near the shed, a couple of power lines were down and a good sized, but partially rotten tree was snapped off about halfway up. The damage was located on Highway 62, 3.5 miles west of the Highway 61/62 junction.

Rotten tree snapped...



Pole barn destroyed...



Lilbourn, Missouri (New Madrid County)- **An F1 tornado** touched down at 2:35 PM in the southwest corner of Lilbourn and traveled northeast approximately one mile before lifting south of Highway U near the railroad tracks. Peak winds were 80 mph and the path width was 75 yards. There were 2 minor injuries reported in Lilbourn. Damage: A couple of mobile homes were pushed off their foundations several feet. Several projectiles were embedded in one of the mobile homes. A considerable amount of debris was stuck in the trees in the area. Numerous trees were either topped out or blown down. A minivan was turned slightly while parked. A couple of small outbuildings were damaged or destroyed. Near the end of the tornado track...a couple of farm trailers and a couple of empty semi trailers were overturned.

Projectile into a mobile home...



Both the minivan and the mobile home in this picture were moved...



Empty semi trailers overturned...



Wind Damage Survey Results

Owensville, Indiana (Gibson County) - Damage was result of **microburst** with 80 mph straight-line winds. Damage path 100 yards long and 50 yards wide. Time was estimated to be around 5:00 PM. Three mobile homes damaged.

Raleigh, Illinois (Saline County) - 1/8th of a roof peeled back off of church, other minor wind damage in the area.

Metropolis, Illinois (Massac County) - A **microburst** with wind speeds of 60-70 mph damaged a small area at 4th and Ferry Streets in downtown Metropolis. One brick wall of a structure crumbled and also sustained roof damage. An adjacent building suffered roof damage as well. A carport was blown into a church in the same vicinity. Time of the event: 3:30 PM CST.



Cobden, Illinois (Union County) - A **microburst** with wind speeds of 60-70 mph damaged several mobile homes. Two of the mobile homes had their roofs torn off, six others sustained minor damage. Several large tree limbs were down and a few trees were snapped off at their bases.

Cayce, Kentucky (Fulton County)- A **microburst** with winds of 70 mph occurred at 120 PM, three miles southwest of Cayce along State Line Road. The damage was confined to a small area approximately 150 yards long by 50 yards wide. Part of the roof of a new steel farm equipment shed was blown off. The large sliding door on the windward side of the shed was also blown off. A couple of trees 100 yards downwind of the shed showed some minor damage.

Cayce, Kentucky (Fulton County)- A **microburst** with winds of 70 mph occurred at 125 PM, one mile south of Cayce. Damage was confined to a small area approximately 300 yards long by 50 yards wide. The damage was near the intersection of Highways 1128 and 239. Several trees were blown down. An old equipment shed that faced south and was open ended on that side, was rolled over and lodged against a row of trees immediately adjacent to it. Homes in the area were missing a few shingles. A poorly anchored carport was blown from its location approximately 100 yards downwind.

OTHER TORNADOES

The following tornadoes are results from further storm damage investigations....

4 SW of East Prairie, MO	(New Madrid County)	F0 Tornado	1237 PM
1 NW of East Prairie, MO	(Mississippi County)	F0 Tornado	1244 PM
Norris City, IL	(White County):	F0 Tornado	110 PM
Near Rossington, KY	(McCracken County)	F0 Tornado	130 PM
2.5 W of Metropolis, IL	(Massac County)	F0 Tornado	134 PM (Ohio River)
1.7 S of Princeton, KY	(Caldwell County)	F0 Tornado	301 PM
4 SW of Galatia, IL	(Saline County)	F0 Tornado	332 PM
2 NE of Calhoun, KY	(McLean County)	F1 Tornado	404 PM
