

# Severe Storms and Flooding on Jan. 23-24, 2002

Just several days after a moderate snowfall, severe storms and flooding struck the region. The severe weather occurred during the night of January 23. Tornado Watch Number 5 was issued as the storms were arriving. The most damaging event was a tornado that struck Calhoun, Kentucky, which is south of Owensboro. Another storm survey was conducted for wind damage in Livingston County, Kentucky, which is northeast of Paducah.

## ...PRELIMINARY STORM DAMAGE SURVEY FOR MCLEAN COUNTY KENTUCKY...

EARLIER TODAY...THURSDAY 24 JANUARY 2002...A REPRESENTATIVE FROM THE NATIONAL WEATHER SERVICE OFFICE IN PADUCAH KENTUCKY CONDUCTED AN ON-SITE DAMAGE ASSESSMENT SURVEY IN MCLEAN COUNTY KENTUCKY. THE FINDINGS INCLUDED...

STORM CATEGORIZATION...	F2 TORNADO
DATE OF OCCURRENCE.....	WEDNESDAY 23 JANUARY 2002
TIME OF OCCURRENCE.....	1027 PM TO 1029 PM CST
COMMUNITY AFFECTED.....	CALHOUN KENTUCKY...18 SSW OWENSBORO KY
LOCATION.....	AROUND THE GRAVEYARD ON EXTREME NW TO NE SIDE OF TOWN
PATH LENGTH.....	1.75 MILES
PATH WIDTH.....	500 YARDS
HIGHEST WIND ESTIMATE..	120 MPH
INJURIES.....	NONE
FATALITIES.....	NONE
DAMAGE.....	14 HOUSES MINOR DAMAGE 5 HOUSES MAJOR DAMAGE 1 HOUSE DESTROYED 8 BUSINESSES MINOR DAMAGE 4 BUSINESSES MAJOR DAMAGE INCLUDING A CHURCH AND DAYCARE 1 BUSINESS DESTROYED
DOLLAR LOSS.....	ESTIMATED 1 MILLION DOLLARS
WARNINGS IN EFFECT.....	SEVERE THUNDERSTORM WARNING VALID TIME 1008 PM TO 1045 PM CST
WATCHES IN EFFECT.....	TORNADO WATCH #5 VALID TIME 930 PM 01/23/02 UNTIL 300 AM CST 01/24/02

THERE WAS EVIDENCE OF STRAIGHT LINE/DOWNBURST DAMAGE WITHIN 1.5 MILES OF THE TORNADO PATH.



Picture by Rodney Gardner

# ...PRELIMINARY STORM DAMAGE SURVEY FOR LIVINGSTON COUNTY KENTUCKY...

LATE THIS AFTERNOON...THURSDAY 24 JANUARY 2002...TWO REPRESENTATIVES FROM THE NATIONAL WEATHER SERVICE OFFICE IN PADUCAH KENTUCKY CONDUCTED AN ON-SITE DAMAGE ASSESSMENT SURVEY IN LIVINGSTON COUNTY KENTUCKY. THE FINDINGS INCLUDED...

STORM CATEGORIZATION...	STRAIGHT LINE WIND DAMAGE
DATE OF OCCURRENCE.....	WEDNESDAY 23-24 JANUARY 2002
TIME OF OCCURRENCE.....	1158 PM TO 1201 AM CST
COMMUNITY AFFECTED.....	RURAL LIVINGSTON CO...APPROX 4 MI NW OF IUKA
LOCATION.....	BEGAN APPROX 1/2 MILE SOUTH JCT HWY 866 AND COUNTRY RD. ENDED 100 YRDS NORTH OF SAME JCT.
PATH LENGTH.....	0.50 MILES
PATH WIDTH.....	500 YARDS
HIGHEST WIND ESTIMATE..	90 MPH
INJURIES.....	3 VERY MINOR
FATALITIES.....	NONE
DAMAGE.....	2 MOBILE HOMES MOVED OFF FOUNDATION AND DAMAGED...1 OF THESE WAS DEROOFED 1 FRONT PORCH OF HOME DESTROYED 2 OR 3 HOMES LOST SOME SHINGLES 1 CHURCH LOST SOME SHINGLES 2 OUTDOOR ANTENNAS BENT OR DESTROYED 5 TO 10 TOMBSTONES BLOWN OVER 10 TO 15 TREES BLOWN OVER
DOLLAR LOSS.....	ESTIMATED 50 TO 100 THOUSAND
WARNINGS IN EFFECT.....	NONE
WATCHES IN EFFECT.....	TORNADO WATCH #5 VALID TIME 930 PM 01/23/02 UNTIL 300 AM CST 01/24/02

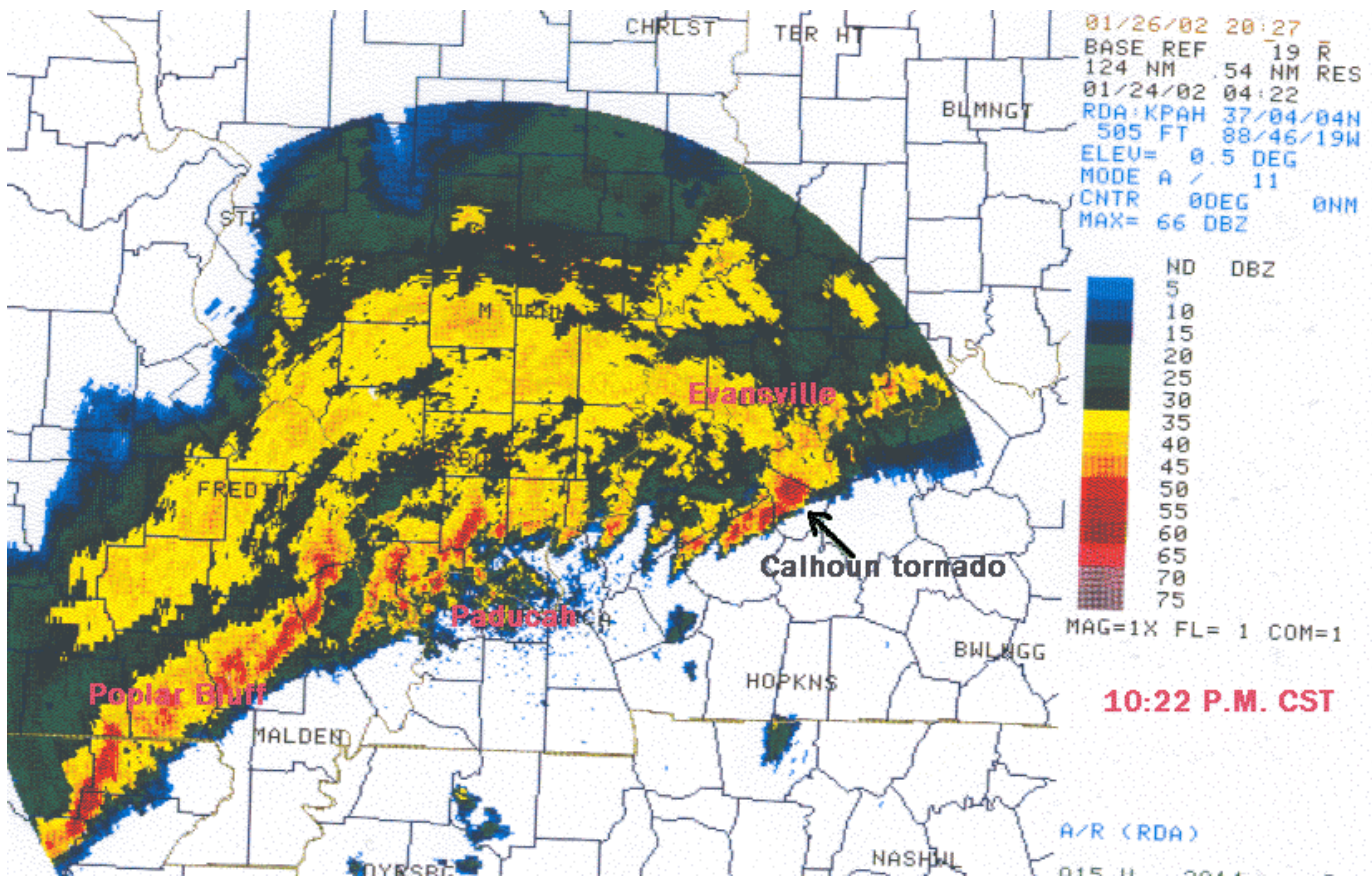
PRELIMINARY LOCAL STORM REPORT  
 NATIONAL WEATHER SERVICE PADUCAH KY  
 WED JAN 23-THU JAN 24 2002

TIME (CST)	.....CITY LOCATION..... .....COUNTY LOCATION.....	STATE	...EVENT/REMARKS...
730 PM 01/23/02	SW OF DONIPHAN RIPLEY	MO	WIND DAMAGE TREES DOWN
0745 PM 01/23/02	POPLAR BLUFF BUTLER	MO	1.75 INCH HAIL GOLF BALL HAIL REPORTED BY EMA
0915 PM 01/23/02	LIVINGSTON	KY	WIND DAMAGE TREES DOWN ACROSS ROADS BETWEEN BIRDSVILLE AND BURNA...JUST SOUTH OF HIGHWAY 60.
1015 PM 01/23/02	PROVIDENCE WEBSTER	KY	FLOODING FLOODING REPORTED WITHIN CITY LIMITS. REPORTED BY PROVIDENCE FIRE DEPT.
1021 PM 01/23/02	DONIPHAN RIPLEY	MO	FLOODING MAJOR FLOODING THROUGHOUT COUNTY. ROAD WASHED OUT IN MORE THAN 1 PLACE...N OF DONIPHAN ON HWY 21N-18. REPORTED BY EOC.
1030 PM 01/23/02	CHAFFEE SCOTT	MO	1.00 INCH HAIL QUARTER SIZE HAIL REPORTED IN CHAFFEE. REPORTED BY EOC.
1030 PM 01/23/02	SCOTT	MO	FLOODING SEVERAL STATE HIGHWAYS AND COUNTY ROADS HAVE WATER OVER THEM. STATE HWY W...WEST OF ORAN AND STATE HWY 77...EAST OF ORAN ARE UNDERWATER.
1120 PM 01/23/02	SCOTT CITY SCOTT	MO	FLOODING SOME INTERSECTIONS FLOODED IN SCOTT CITY. REPORTED BY SCOTT COUNTY FIRE DEPT.
1135 PM 01/23/02	GIDEON NEW MADRID	MO	WIND DAMAGE HOUSE ROOF DAMAGED NEAR GIDEON. WINDOWS BLOWN OUT. FROM NEW MADRID SHERIFF OFFICE.
1151 PM 01/23/02	BURNA LIVINGSTON	KY	0.75 INCH HAIL DIME SIZE HAIL REPORTED IN BURNA. REPORTED BY SHERIFF OFFICE.
1156 PM 01/23/02	BROWNSVILLE FULTON	KY	WIND DAMAGE MOBILE HOME BLOWN OVER

NEAR BROWNSVILLE.  
REPORTED BY HICKMAN PD.

1215 AM 01/24/02	LIVINGSTON	KY	WIND DAMAGE 2 MOBILE HOMES BLOWN OVER NEAR THE I-24/KY 453 INTERCHANGE.
1215 AM 01/24/02	NORTH PORTION CRITTENDEN	KY	WIND DAMAGE TREES DOWN
1217 AM 01/24/02	WINGO GRAVES	KY	WIND DAMAGE TREES DOWN ACROSS WINGO.
1225 AM 01/24/02	PRINCETON CALDWELL	KY	WIND DAMAGE SEVERAL TREES DOWN. CARPORT BLOWN ONTO ROAD. BARN DAMAGED. REPORTED BY PD.
1245 AM 01/24/02	NORTONVILLE HOPKINS	KY	WIND DAMAGE TREES DOWN AT WHITE PLAINS AND NORTONVILLE
1256 AM 01/24/02	CALLOWAY	KY	WIND DAMAGE POWER LINES AND TREES DOWN
0115 AM 01/24/02	GREENVILLE MUHLENBERG	KY	HAIL DIME SIZE HAIL
0140 AM 01/24/02	ELKTON TODD	KY	WIND DAMAGE LARGE TREE LIMBS DOWN AND SHINGLES OFF ROOFS
0145 AM 01/24/02	FAIRVIEW CHRISTIAN	KY	WIND DAMAGE SEVERAL TREES DOWN ALONG ROUTE 68 NEAR CHRISTIAN/TODD COUNTY LINE. REPORTED BY FORT CAMPBELL WEATHER.

For several hours, intense thunderstorms tracked along the same path, from Ripley County, Missouri to near Owensboro, Kentucky. The radar image below was taken about when the Calhoun tornado was occurring. The storms in the image were moving east-northeast, following one another over the same areas. Major flooding was already occurring west of Poplar Bluff when this radar image was produced.



Rainfall totals were in the 3 to 5 inch range across a narrow swath from Poplar Bluff through Cairo, Illinois to Webster County, KY. The map below shows the axis of heaviest rainfall and resultant flooding. Portions of U.S. Highway 60 were closed between Paducah and Evansville, and major flooding occurred in Ripley County, Missouri. Extensive flooding of roads occurred in Scott County, Missouri and Johnson and Pulaski Counties in Illinois.

