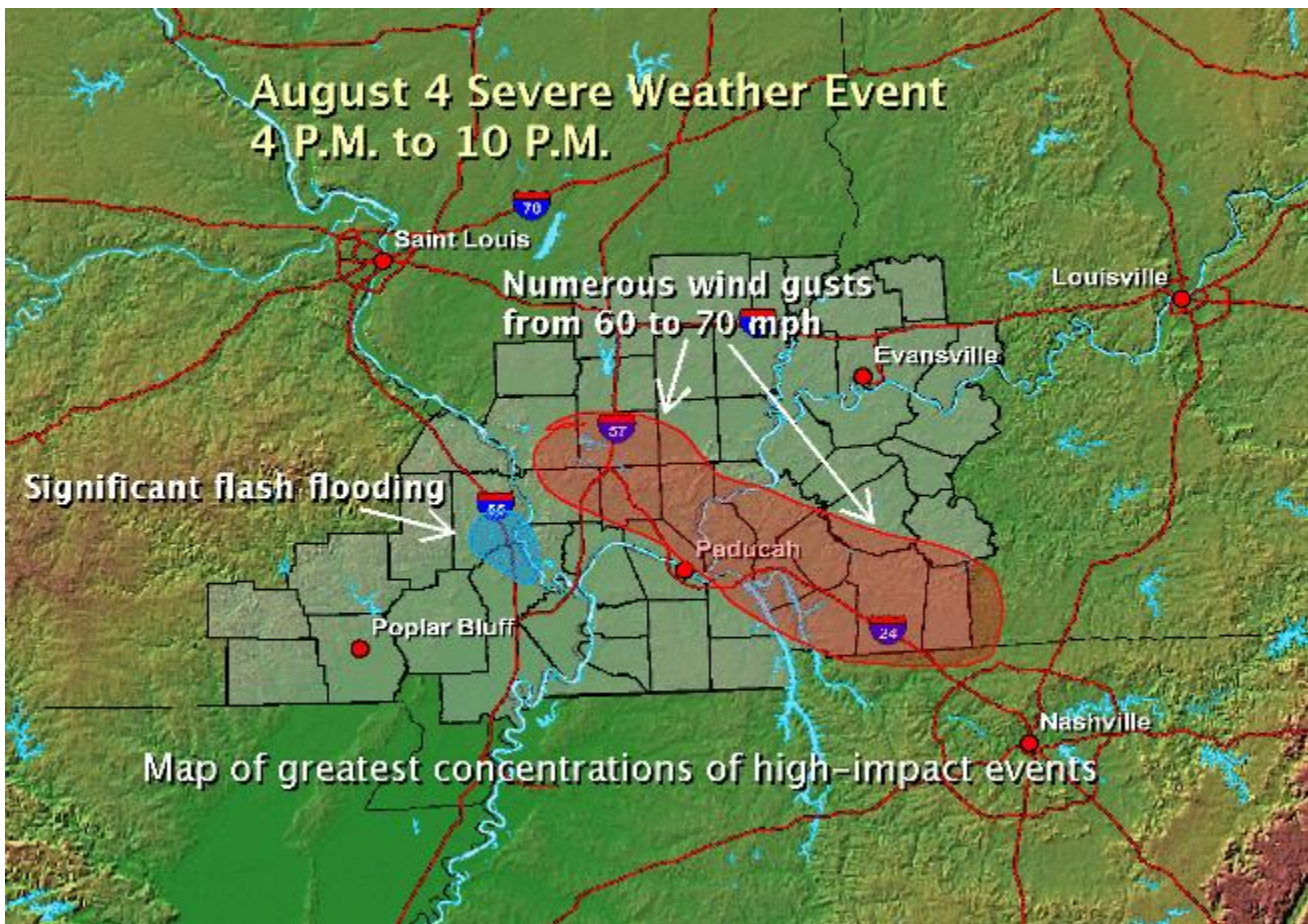


# Severe Storms – August 4, 2009

A very humid and unstable atmosphere set the stage for widespread thunderstorms that produced heavy rain and local wind damage. Though there were isolated storms during the midday hours, the main severe storm complex evolved over southern Illinois around 4 P.M. The first severe weather report of the main event was a wind gust to 70 mph clocked at the Carbondale airport at 4:29 P.M. In anticipation of the increase in storms, the Storm Prediction Center issued Severe Thunderstorm Watch 658 at 3:10 P.M.

Over 30 reports of wind damage, funnel clouds, flash flooding, and hail were received by the Paducah NWS office in a 5-hour period ending at 9 P.M. A "bow echo" produced widespread wind gusts from 60 to 70 mph in a swath from the Carbondale and Harrisburg, IL areas, southeast across the Ohio River, to Hopkinsville and the Lakes Region of western Kentucky. Serious flooding occurred in Cape Girardeau, where numerous water rescues were conducted. A couple of weak tornadoes occurred in Christian County.

The map below shows the path of the bow echo that produced widespread wind gusts in the 60 to 70 mph range.



PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE PADUCAH KY  
422 PM CDT WED AUG 5 2009

...DAMAGE SURVEY RESULTS FOR CHRISTIAN COUNTY KENTUCKY...

THE FOLLOWING IS THE DAMAGE ASSESSMENT FOR A DOWNBURST WITH EMBEDDED TORNADOES THAT OCCURRED JUST NORTH OF HOPKINSVILLE KENTUCKY TUESDAY AUGUST 4TH, 2009.

- \* EVENT DATE - TUESDAY AUGUST 4 2009
- \* EVENT TIME - APPROX. 655 PM CDT
- \* EVENT TYPE - **DOWNBURST WITH EMBEDDED BRIEF TORNADOES**
- \* EVENT LOCATION - 2.7 MILES NORTH OF HOPKINSVILLE TO JUST EAST OF EXIT 12 ON THE PENNYRILE PARKWAY.
- \* PEAK WIND - 80 MPH WITH 2 EMBEDDED EF0 TORNADOES
- \* AVERAGE PATH WIDTH - ABOUT 250 YDS
- \* PATH LENGTH - 1.5 MILES
- \* INJURIES - 1 INJURY. STORM SPOTTER STRUCK BY FLYING PIECE OF WOOD WHICH RESULTED IN A BADLY BRUISED SHOULDER
- \* FATALITIES - NONE
- \* DISCUSSION/DAMAGE - EMBEDDED BRIEF TORNADOES OCCURRED ALONG DOWNBURST PATH. FIRST BRIEF TOUCHDOWN...EYEWITNESSED BY A TRAINED SKYWARN SPOTTER...BEGAN AT INTERSECTION OF HIGHWAY 41 AND THE BYPASS (1682) AND TRAVELED JUST NORTH OF THE BYPASS FOR ABOUT ONE HALF MILE. DAMAGE INCLUDED 2 FIBERGLASS LIGHT POLES SNAPPED AT BASE...SEVERAL TREES SNAPPED AND LARGE LIMBS BROKEN. ADDITIONAL BRIEF TOUCHDOWN OCCURRED JUST EAST OF THE PENNYRILE PARKWAY ON THE SOUTH SIDE OF THE BYPASS (1682). DAMAGE INCLUDED A ROOF BEING TORN OFF OF A METAL STORAGE BUILDING WHICH WAS BLOWN NORTH BACK ACROSS THE HIGHWAY.

SURVEYOR...WIELGOS

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PRELIMINARY LOCAL STORM REPORT...SUMMARY  
NATIONAL WEATHER SERVICE PADUCAH KY  
926 PM CDT TUE AUG 04 2009

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	....MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
1145 AM 08/04/2009	TSTM WND DMG	PRINCETON GIBSON	38.36N 87.57W IN LAW ENFORCEMENT
	LARGE TREE DOWN.		
1200 PM 08/04/2009	TSTM WND DMG	PETERSBURG PIKE	38.49N 87.28W IN LAW ENFORCEMENT
	TREES DOWN ALONG HIGHWAY 56 ON WEST SIDE OF TOWN.		
0429 PM 08/04/2009	TSTM WND GST M70.00 MPH	CARBONDALE JACKSON	37.72N 89.22W IL ASOS
	LATE REPORT.		
0500 PM 08/04/2009	TSTM WND DMG	ANNA UNION	37.46N 89.24W IL EMERGENCY MNGR

NUMEROUS TREES AND POWER LINES DOWN. MULTIPLE ACCIDENTS REPORTED. SAME TYPE OF DAMAGE REPORTED IN THE COMMUNITY OF JONESBORO.

0500 PM TSTM WND DMG CARRIER MILLS 37.69N 88.63W  
08/04/2009 SALINE IL LAW ENFORCEMENT

ROOF PEELED OFF OF MOBILE HOME. STREET FLOODING ALSO REPORTED.

0500 PM TSTM WND DMG COBDEN 37.53N 89.25W  
08/04/2009 UNION IL EMERGENCY MNGR

TREES AND POWER LINES DOWN. WINDS ESTIMATED AT 70MPH ASSOCIATED WITH THIS STORM.

0505 PM FUNNEL CLOUD 3 W DELWOOD 37.58N 88.63W  
08/04/2009 POPE IL AIRPLANE PILOT

2 PILOTS REPORTED FUNNEL CLOUD JUST WEST OF DELWOOD.

0506 PM TSTM WND DMG HARRISBURG 37.74N 88.55W  
08/04/2009 SALINE IL LAW ENFORCEMENT

TREES AND POWER LINES DOWN. STREET FLOODING ALSO REPORTED.

0510 PM TSTM WND DMG CRAB ORCHARD 37.73N 88.80W  
08/04/2009 WILLIAMSON IL LAW ENFORCEMENT

TREE DOWN ON CAR. NO INJURIES REPORTED.

0515 PM TSTM WND DMG WEST VIENNA 37.43N 88.97W  
08/04/2009 JOHNSON IL LAW ENFORCEMENT

TREES DOWN AT THE INTERSECTION OF HIGHWAYS 37 AND 146.

0521 PM TSTM WND DMG PADUCAH 37.07N 88.64W  
08/04/2009 MCCrackEN KY EMERGENCY MNGR

LATE REPORT...MOBILE HOME HAD 30 FEET OF ROOF PEELED BACK LIKE A SARDINE CAN. NO INJURIES REPORTED. THE EVENT OCCURRED ALONG OLD MAYFIELD ROAD.

0550 PM TSTM WND DMG ADVANCE 37.10N 89.91W  
08/04/2009 STODDARD MO TRAINED SPOTTER

LATE REPORT...16 INCH DIAMETER TREE DOWN ON A MOBILE HOME. 8 INCH DIAMETER TREE DOWN ON AN PICKUP TRUCK. NO INJURIES REPORTED. SEMI-TRACTOR TRAILER RIG WITH FREIGHT BLOWN OVER.

0550 PM TSTM WND DMG 1 N CAPE GIRARDEAU 37.32N 89.55W  
08/04/2009 CAPE GIRARDEAU MO TRAINED SPOTTER

TREES DONW. WINDS ESTIMATED 60 TO 65 MPH WITH THE STORM.

0558 PM HEAVY RAIN 1 N CAPE GIRARDEAU 37.32N 89.55W  
08/04/2009 M1.20 INCH CAPE GIRARDEAU MO TRAINED SPOTTER

RAINFALL MEASURED IN PAST 15 MINUTES. SEVERAL STREET INTERSECTIONS HAVE STANDING WATER.

0612 PM TSTM WND GST CALVERT CITY 37.03N 88.35W  
08/04/2009 E65.00 MPH MARSHALL KY TRAINED SPOTTER

TREES BOWING.

0622 PM TSTM WND GST PRINCETON 37.11N 87.88W  
08/04/2009 E65.00 MPH CALDWELL KY TRAINED SPOTTER

0623 PM TSTM WND DMG TAMMS 37.24N 89.27W  
08/04/2009 ALEXANDER IL EMERGENCY MNGR

TREES DONW IN THE COMMUNITY. ALSO REPORTED IN MILLER CITY  
AND OLIVE BRANCH. ESTIMATED WINDS WITH THE STORM WERE 50  
TO 60 MPH.

0625 PM TSTM WND DMG BARLOW 37.05N 89.05W  
08/04/2009 BALLARD KY EMERGENCY MNGR

CREWS WORKING ON SEVERAL ROADS TO REMOVE DOWNED TREES AND  
POWER LINES. FIRE RESPONDED TO FIRES DUE TO DOWNED LINES.  
DAMAGE IS REPORTED IN THE COMMUNITY AND COUNTYWIDE.  
DOWNED TREES HAVE BLOCKED SEVERAL INTERSECTIONS AND  
ROADWAYS.

0630 PM TSTM WND GST PRINCETON 37.11N 87.88W  
08/04/2009 M67.00 MPH CALDWELL KY MESONET

0655 PM TSTM WND GST CALEDONIA 36.82N 87.69W  
08/04/2009 M70.00 MPH TRIGG KY TRAINED SPOTTER

WINDS OCCURRED ON THE TRIGG CHRISTIAN COUNTY LINE ALONG  
HIGHWAY 272.

0700 PM TSTM WND DMG HOPKINSVILLE 36.85N 87.49W  
08/04/2009 CHRISTIAN KY TRAINED SPOTTER

LATE REPORT...MOST OF DAMAGE OCCURRED ON NORTH SIDE OF  
TOWN. TREES...POWER LINES AND POLES DOWN. POLE BARN  
DESTROYED ALONG WITTY ROAD AND ROOF DAMAGE TO HOME ALONG  
PRINCETON ROAD.

0700 PM TSTM WND DMG FREDONIA 37.21N 88.06W  
08/04/2009 CALDWELL KY TRAINED SPOTTER

2 BARN ROOFS BLOWN OFF AND BLOCKING COUNTY HIGHWAY 902E.  
TIME ESTIMATED.

0700 PM TSTM WND DMG PRINCETON 37.11N 87.88W  
08/04/2009 CALDWELL KY EMERGENCY MNGR

LATE REPORT...CARPORT DOWN ON HIGHWAY 293 NORTH OF TOWN.  
ALSO HAVE ONE BUILDING WITH WINDOWS BLOWN OUT. SEVERAL  
ROADS IMPASSABLE DUE TO WATER. TIME ESTIMATED.

0718 PM TSTM WND DMG JACKSON 37.38N 89.65W  
08/04/2009 CAPE GIRARDEAU MO EMERGENCY MNGR

WIDESPREAD POWER OUTAGES REPORTED THROUGHOUT THE CITY.  
EOC ON BACKUP POWER.

0734 PM TSTM WND GST ELKTON 36.81N 87.16W  
08/04/2009 E60.00 MPH TODD KY TRAINED SPOTTER

0735 PM TSTM WND DMG ELKTON 36.81N 87.16W  
08/04/2009 TODD KY TRAINED SPOTTER

TIME ESTIMATED...ONE TREE DOWN BLOCKING HIGHWAY 181N.

0743 PM TSTM WND GST CAPE GIRARDEAU 37.31N 89.55W  
08/04/2009 E55.00 MPH CAPE GIRARDEAU MO TRAINED SPOTTER

0750 PM FLASH FLOOD CAPE GIRARDEAU 37.31N 89.55W  
08/04/2009 CAPE GIRARDEAU MO BROADCAST MEDIA

SEVERAL MAIN AND SECONDARY ROADS HAVE STANDING WATER  
THROUGHOUT THE DOWNTOWN AREA.

0834 PM HEAVY RAIN KEVIL 37.08N 88.89W  
08/04/2009 M0.70 INCH BALLARD KY EMERGENCY MNGR

RAINFALL OCCURRED WITHIN 15 MINUTES.

0835 PM FLASH FLOOD CHARLESTON 36.92N 89.34W  
08/04/2009 MISSISSIPPI MO LAW ENFORCEMENT

REPORTS OF WATER OVER SEVERAL ROADWAYS THROUGHOUT THE  
COMMUNITY.

0837 PM FLASH FLOOD CAPE GIRARDEAU 37.31N 89.55W  
08/04/2009 CAPE GIRARDEAU MO EMERGENCY MNGR

SOUTHERN HALF OF COMMUNITY EXPERIENCING SERIOUS FLOODING.  
COUNTY OFFICIALS ARE PREPARING FOR SWIFT WATER RECUES AT  
THIS TIME. VARIOUS DEGREES OF FLOODING REPORTED  
THROUGHOUT CAPE GIRARDEAU.

0852 PM HAIL GREENVILLE 37.13N 90.45W  
08/04/2009 M1.75 INCH WAYNE MO LAW ENFORCEMENT

GOLFBALL HAIL REPORTED.

0902 PM FLASH FLOOD PADUCAH 37.07N 88.64W  
08/04/2009 MCCRACKEN KY FIRE DEPT/RESCUE

WATER OVER STREETS NEAR EXECUTIVE INN.

0905 PM HAIL SHOOK 37.04N 90.31W  
08/04/2009 M1.00 INCH WAYNE MO TRAINED SPOTTER

DIME TO QUARTER SIZE HAIL REPORTED.

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SMITTY