



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

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

White County

2 S Maunie

02 1909CST **0** **0** **Funnel Cloud**

A very narrow rope-like funnel cloud was photographed by a motorist looking north from the Dogtown area, which is near the Wabash River to the south of Maunie.

Hamilton County

Mc Leansboro

09 1300CST **0** **0** **3K** **Thunderstorm Wind (G52)**

Trees and large branches were blown onto streets and sidewalks. One tree fell onto a storage shed.

ILZ078-083

Wabash - White

15 0800CST **0** **0** **Flood**
25 1400CST

The Wabash River rose above flood stage for about ten days. Minor to moderate flooding occurred from Mount Carmel south to the confluence with the Ohio River. At Mount Carmel, where flood stage is 19 feet, the river peaked at 24.85 feet on the morning of the 20th. Extensive lowland flooding occurred, and installation of two flood gates at Mount Carmel was necessary. Nearby gravel pit operations ceased because of the gate closure. Several local roads were impassable. Flood waters began to affect residents of East Mt. Carmel, Indiana. A restaurant along the river was closed. Oil field production ceased with the exception of pumping units on substructures. Access to those was by boat only. Significant agricultural losses occurred, and this was the worst summer agricultural flood since 1979. Farmers moved livestock to higher ground. At New Harmony, Indiana, where flood stage is 15 feet, the river crested at 17.7 feet on the 21st. This resulted in minor flooding in the New Harmony area and points downriver, but cropland flooding was more significant. The flooding was primarily the result of near record rainfall in central and northern Indiana, where major flooding occurred.

Jackson County

Carbondale Arpt

18 1016CST **0** **0** **Thunderstorm Wind (G55)**

The automated observing system at the Carbondale Airport measured a wind gust to 55 knots (63 MPH).

Jackson County

Murphysboro to
Carbondale

18 1030CST **0** **0** **Heavy Rain**
1200CST

Thunderstorms with torrential rainfall caused street flooding in Carbondale and Murphysboro. An automated observing system at the Carbondale airport measured 1.75 inches in 30 minutes.

Union County

Alto Pass to
Wolf Lake

18 1037CST **0** **0** **Thunderstorm Wind (G50)**

A couple of trees were blown down on major roads in northern Union County, including Route 3 near Wolf Lake and Highway 127 at Alto Pass.

Johnson County

9 NW Vienna

18 1050CST **0** **0** **Thunderstorm Wind (G50)**

About a dozen trees were blown down in Ferne Clyffe State Park, according to a park ranger.

Union County

4 S Jonesboro

18 1100CST **0** **0** **Thunderstorm Wind (G50)**

A couple of trees were blown down on Route 127.

Alexander County

3 NE Olive Branch

18 1104CST **0** **0** **Thunderstorm Wind (G50)**

Two to three trees were blown down between Olive Branch and Tamms.

Pulaski County

Mounds

18 1119CST **0** **0** **Thunderstorm Wind (G50)**

Trees were reported down in the community of Mounds.



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					Killed	Injured	Property	Crops	

ILLINOIS, South

A cluster of thunderstorms became severe over the Carbondale area, producing wind gusts near 60 MPH. The storms continued to produce isolated reports of tree damage as they organized into a line and moved south

White County

1.5 S Burnt Prairie	21	0515CST			0	0			Hail(0.75)
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Alexander County

Elco	28	1640CST			0	0			Hail(0.75)
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Dime-size hail was reported on Interstate 57 between mile markers 20 and 23.

Pulaski County

Villa Ridge	28	1640CST			0	0			Thunderstorm Wind (G50)
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Large tree limbs and a tree were blown down on U.S. Highway 51.

INDIANA, Southwest

Vanderburgh County

Evansville Dress Arp	09	1302CST			0	0			Hail(0.75)
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Vanderburgh County

Evansville Dress Arp	09	1303CST 1309CST			0	0	10K		Thunderstorm Wind (G56)
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The automated observing system at Evansville Airport recorded a peak wind gust of 56 knots or 64 MPH. A baseball dugout at a high school was destroyed, along with a nearby fence. A few trees were blown down.

Vanderburgh County

Evansville	09	1350CST 1450CST			0	0			Flash Flood
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Flash flooding of streets occurred in the city. Water was reportedly over the tops of cars at the intersection of St. Joseph Road and Franklin Road. Other sections of St. Joseph Road were impassable. Division Street was another problem area, where at least one vehicle stalled out in floodwaters.

A severe thunderstorm developed over Evansville, producing torrential rain, wind gusts around 60 MPH, and hail up to the size of dimes.

INZ081>082

Gibson - Pike

13	1100CST				0	0			Flood
23	1700CST								

The White River rose above flood stage for about 10 days. At Petersburg, where flood stage is 16 feet, the river peaked at 21 feet on July 18. At Hazleton, where flood stage is also 16 feet, the crest was 20.8 feet on July 18. Agricultural flooding was significant, since crop season was well underway. This was the worst summer agricultural flood since 1979 on the White River. Flooding affected higher bottomlands and may have affected a few residents. State Road 257 was flooded. Low oil fields were flooded, and some local county roads were closed.

INZ081-085

Gibson - Posey

15	0800CST				0	0			Flood
25	1200CST								

The Wabash River rose above flood stage for about ten days. Minor to moderate flooding occurred from Mount Carmel south to the confluence with the Ohio River. At Mount Carmel, where flood stage is 19 feet, the river peaked at 24.85 feet on the morning of the 20th. Extensive lowland flooding occurred, and installation of two flood gates at Mount Carmel was necessary. Nearby gravel pit operations ceased because of the gate closure. Several local roads were impassable. Flood waters began to affect residents of East Mt. Carmel, Indiana. A restaurant along the river was closed. Oil field production ceased with the exception of pumping units on substructures. Access to those was by boat only. Significant agricultural losses occurred, and this was the worst summer agricultural flood since 1979. Farmers moved livestock to higher ground. At New Harmony, where flood stage is 15 feet, the river crested at 17.7 feet on the 21st. This resulted in minor flooding in the New Harmony area and points downriver, but cropland flooding was more



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INDIANA, Southwest

significant. The flooding was primarily the result of near record rainfall in central and northern Indiana, where major flooding occurred.

Spencer County

Gentryville	15	1913CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down across Highway 231.

Gibson County

6 SW Owensville	21	0541CST			0	0			Hail(0.75)
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Gibson County

Oakland City	21	0555CST			0	0			Thunderstorm Wind (G52)
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An off-duty National Weather Service employee reported pea-size hail and estimated wind gusts to 60 MPH.

Vanderburgh County

Evansville	21	0600CST			0	0			Thunderstorm Wind (G52)
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Numerous trees and power lines were blown down in the northwest part of the city.

Vanderburgh County

Evansville	31	0700CST			0	0			Flash Flood
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Extensive street flooding occurred. A railroad underpass was closed on Diamond Avenue, and Old U.S. Highway 41 was under water for about a three-quarter mile stretch. An intersection on Becker Parkway was under two feet of water. Area residents paddled down their streets in canoes. An unofficial measurement of 3.0 inches of rain was recorded in downtown Evansville.

KENTUCKY, Southwest

Mccracken County

Lone Oak to Paducah	05	1215CST			0	0			Heavy Rain
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Numerous thunderstorms with very heavy rain caused some flooding of creeks and ditches, especially in the Lone Oak area. Champion Creek overflowed onto the intersection of Old Mayfield Road and Houser Road.

Mccracken County

Paducah	05	1235CST			0	0			Lightning
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Lightning strikes started two fires in the Paducah area. A garage fire and a utility pole fire were reported

Henderson County

Zion	09	1437CST			0	0			Hail(0.75)
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Henderson County

2 NE Henderson	09	1445CST			0	0			Thunderstorm Wind (G50)
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A few trees were blown down. This severe storm developed over Evansville, Indiana and moved south across the Ohio River into the Henderson area.

Christian County

Hopkinsville	12	1400CST			0	0			Thunderstorm Wind (G52)
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Numerous trees were blown down. Some trees fell on homes and vehicles. Some damage was reported to about 30 homes.

Henderson County

Geneva to Henderson	21	0600CST			0	0	6K		Thunderstorm Wind (G50)
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KENTUCKY, Southwest

At a residence on Kentucky 136 in Geneva, three huge oak trees and numerous other large tree limbs were blown down. The roof of the house was damaged. In the city of Henderson, a couple of trees and a power line were down.

Daviess County

**Owensboro to
Yelvington**

21	1015CST 1215CST				0	0			Flash Flood
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Rainfall amounts during the morning were estimated from 4 to 5 inches by radar. A measurement of almost 4 inches was reported in Owensboro. The worst flooding was reported along U.S. Highway 60 from Owensboro east to the county line.

Christian County

**Crofton to
3 NNE Hopkinsville**

21	1200CST 1207CST				0	0			Hail(2.00)
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Two-inch diameter hailstones were reported near Crofton. Half-dollar size hail fell three miles north-northeast of Hopkinsville.

Christian County

**Fearsville to
Kelly**

21	1230CST 1240CST				0	0			Hail(1.00)
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Quarter-size hail damaged a sheriff's car in Kelly.

Todd County

3 W Allegre

21	1244CST				0	0			Funnel Cloud
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A funnel cloud was reported along the Christian/Todd County line near Pilot Rock. The storm showed strong rotation on doppler weather radar.

Christian County

Pembroke

21	1300CST 1500CST				0	0			Heavy Rain
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Persistent thunderstorms produced heavy rain, estimated as much as 1 to 3 inches over the east and southeast sides of the county. Water was over a local road in the eastern part of the county.

Todd County

Allegre

21	1308CST				0	0			Thunderstorm Wind (G50)
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Numerous tree limbs and a tree were blown down.

Todd County

4 N Elkton

21	1310CST 1500CST				0	0			Heavy Rain
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Water was reported over the road at the intersection of Highways 181 and 171.

Daviess County

**Owensboro to
2.5 E Owensboro**

21	0910CST 0915CST				0	0			Hail(1.75)
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Hailstones ranged from golf ball size in Owensboro to penny size 2 to 3 miles east of town.

Fulton County

Hickman

21	1820CST				0	0			Hail(0.88)
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Hickman County

3 E Clinton

21	1830CST				0	0			Hail(0.88)
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Nickel-size hail fell on Highway 58.

Muhlenberg County

Bremen

23	1255CST				0	0			Hail(0.75)
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Hopkins County

Earlington

23	1430CST				0	0			Hail(0.88)
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Mccracken County

Paducah

28	1518CST				0	0			Hail(1.00)
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KENTUCKY, Southwest

Mccracken County

Paducah	28	1530CST			0	1	85K		Thunderstorm Wind (G55)
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A thunderstorm produced damaging winds in downtown Paducah. Two buildings were unroofed in Paducah, including part of an old warehouse and an accounting office. The roof of the accounting office was blown into a street. The roof debris struck a vehicle driven by a 75-year-old man, who was slightly injured and treated at a local hospital. The strong winds blew down a monument at the courthouse square. Bricks falling from the roof of an old hotel landed on vehicles below.

Mccracken County

Reidland	28	1540CST 1553CST			0	0			Hail(0.88)
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Nickel-size hail was reported by an off-duty National Weather Service employee. Dime-size hail was reported at mile marker 14 on Interstate 24.

Marshall County

Sharpe	28	1605CST			0	0			Thunderstorm Wind (G50)
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Several trees were blown down on Highway 68.

Marshall County

Benton	28	1625CST			0	0			Thunderstorm Wind (G50)
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Eight trees were blown down off Highway 58.

Trigg County

Canton	28	1630CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down.

Ballard County

Wickliffe	28	1640CST			0	0			Thunderstorm Wind (G50)
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A tree and large limbs were blown down on Highway 121 near Wickliffe.

Carlisle County

Cunningham	28	1642CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down on Highways 62, 1012, and 1820 near Cunningham.

Todd County

Trenton	28	1700CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down.

Christian County

Ft Campbell Aaf	28	1720CST			0	0			Thunderstorm Wind (G57)
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A wind gust to 57 knots (66 MPH) was clocked at the Fort Campbell Airfield

Graves County

1 N Mayfield	28	1745CST			0	0			Thunderstorm Wind (G50)
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A few large trees were blown down, including one on a home. A 300-year-old oak tree was blown down, partially blocking a street

Fulton County

2 W Hickman	28	1820CST			0	0			Hail(1.00)
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Vehicles were damaged by hail on Highway 94 west of Hickman.

Severe thunderstorms produced scattered reports of large hail and damaging winds across western Kentucky. The initial severe storm formed over Paducah and caused the most serious damage of the event. This initial storm evolved into a large cluster of storms that moved southeast across the Kentucky Lake region and then the Hopkinsville area, producing isolated reports of tree damage. Another cluster of thunderstorms developed across the Mississippi River counties of western Kentucky, producing isolated large hail and tree damage.



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<u>MISSOURI, Southeast</u>									
Perry County									
Altenburg	18	1020CST			0	0			Thunderstorm Wind (G50)
A few trees were blown down on D Highway and in the town of Altenburg.									
Mississippi County									
Charleston to 3 S Charleston	18	1130CST			0	0			Thunderstorm Wind (G50)
Several marquee signs were blown down on State Route 105 between Charleston and the airport. In downtown Charleston, a couple of trees were blown down.									
Wayne County									
Williamsville	18	1921CST			0	0			Hail(0.88)
Butler County									
2 NW Poplar Bluff	18	2000CST			0	0			Hail(1.00)
Quarter size hail occurred in a subdivision near Poplar Bluff.									
Butler County									
5 WSW Harviell	18	2020CST			0	0	35K		Thunderstorm Wind (G60)
Trees were downed and cornfields were flattened along U.S. Highway 160. On V Highway, west of U.S. Route 67 and south of Highway 160, numerous trees were downed. One fell across a car, and another tree fell over a swimming pool and damaged a house's roof. A trailer and a barn were both damaged.									
Wayne County									
1 W Patterson	18	2100CST			0	0			Thunderstorm Wind (G50)
Roads were blocked by downed trees.									
Ripley County									
Fairdealing	18	2230CST			0	0			Hail(1.25)
Hail was reportedly large enough to break a windshield.									
Ripley County									
Naylor to Fairdealing	18	2230CST			0	0			Thunderstorm Wind (G52)
Trees were blown down in Fairdealing, Naylor, and just west of Oxly. Trees landed on houses in Fairdealing									
Ripley County									
5 W Doniphan	19	0004CST			0	0			Thunderstorm Wind (G50)
Mississippi County									
Wyatt	21	1645CST			0	0			Hail(1.00)
Mississippi County									
Wyatt	21	1715CST			0	0			Hail(1.00)
Quarter-size hail was reported at Wyatt City Hall and by the general public at two separate times.									
Scott County									
Scott City	28	1541CST			0	0			Hail(0.88)
Nickel size hail and wind gusts to 55 MPH were reported, with some trees blown down.									
Cape Girardeau County									
Dutchtown	28	1555CST			0	0			Hail(0.75)
Cape Girardeau County									
Dutchtown to Cape Girardeau	28	1555CST			0	0			Thunderstorm Wind (G52)
Dime-size hail and 60 MPH wind gusts were reported at the intersection of Highway 74 and County Road 220 near Dutchtown. In Cape Girardeau, a fallen tree limb blocked traffic on South Sprigg Street. Power lines were down in the city.									



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MISSOURI, Southeast

Cape Girardeau County

Cape Girardeau	28	1600CST 1630CST			0	0			Heavy Rain
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Torrential rain from a slow-moving thunderstorm caused moderate street flooding in parts of Cape Girardeau. Flooded streets included Broadway, Themis, Silver Springs, and the intersection of Independence and West End Boulevard.

Cape Girardeau County

Cape Girardeau	28	1600CST			0	0			Lightning
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Lightning struck two houses, causing an attic fire at one house and a roof fire at the other. Both houses sustained moderate damage. An electric substation was struck by lightning, causing a fire and subsequent power outage for thousands of people.

Butler County

5 N Poplar Bluff	28	1605CST			0	0			Hail(1.00)
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Quarter-size hail was reported on U.S. Highway 67.

Butler County

Poplar Bluff	28	1610CST			0	0			Thunderstorm Wind (G50)
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Trees were reported down in Poplar Bluff. Street crews cleared about 14 fallen trees from city streets.

Ripley County

8 N Doniphan to 8 E Doniphan	28	1909CST 1917CST			0	0			Hail(1.75)
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Hail up to the size of golf balls fell about 8 miles north of Doniphan, with slightly smaller hail reported 8 miles east of town

Isolated severe thunderstorms developed over southeast Missouri, producing a few reports of large hail and minor wind damage.