



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

Alexander County									
Cairo	01	1015CST			0	0			Thunderstorm Wind (G50)
Johnson County									
Tunnel Hill	01	1055CST			0	0			Hail(0.75)
Wayne County									
Wayne City	01	1100CST			0	0			Hail(0.88)
Saline County									
6 E Harrisburg	01	1107CST			0	0			Hail(0.88)
Gallatin County									
Ridgway	01	1142CST			0	0			Hail(0.88)
Saline County									
8 E Harrisburg	01	1142CST			0	0			Hail(0.88)
Hardin County									
Elizabethtown	01	1150CST			0	0			Hail(0.75)
White County									
New Haven	01	1152CST			0	0			Hail(0.88)

Thunderstorms produced several reports of dime to nickel size hail across southern Illinois. The thunderstorms began to organize into a squall line as they entered western Kentucky and southwest Indiana. A roof was peeled back off a business in Cairo, and some nearby trees were blown down.

Pope County									
1 S Eddyville to Golconda	04	1246CST 1258CST			0	0			Hail(0.88)
Hardin County									
Elizabethtown	04	1313CST			0	0			Hail(0.75)

Thunderstorms intensified over Pope County, producing dime to nickel size hail along their paths across Pope and Hardin Counties. The storms further intensified after crossing the Ohio River into western Kentucky.

Jefferson County									
Mt Vernon	04	1910CST			0	0			Hail(1.75)
Wabash County									
Cowling to Bellmont	04	2013CST 2018CST			0	0			Hail(0.75)
Alexander County									
Olive Branch	04	2014CST			0	0			Hail(1.75)
Alexander County									
Olive Branch	04	2014CST			0	0			Thunderstorm Wind (G52)
Pulaski County									
Olmsted	04	2024CST			0	0			Hail(0.75)
Pulaski County									
Countywide	04	2025CST			0	0			Thunderstorm Wind (G52)

Several homes sustained minor damage. Some trees were blown down across roadways.

Massac County									
1 WNW Joppa to .7 NW Joppa	04	2047CST 2050CST	1.4	100	0	0			Tornado (F1)

This tornado, which crossed the Ohio River from Kentucky, moved an anchored barge from its moorings. It flipped over a work trailer and downed numerous trees and power lines. There was minor damage to other trailers. Three concrete slabs, each weighing 500 pounds, were moved from their positions on top of silos. Estimated peak winds were 95 MPH.



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ILLINOIS, South

Massac County

1 WNW Joppa	04	2050CST			0	0			Hail(1.25)
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Massac County

7 N Metropolis to 2 E Midway	04	2052CST 2056CST			0	0	20K		Thunderstorm Wind (G60)
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Numerous large trees were blown down. Four telephone poles were broken. Minor damage occurred to less than a dozen homes. Nearly the exact same locations were struck by a considerably more destructive downburst about 48 hours later, on May 6.

Pope County

4 S Golconda	04	2100CST			0	0			Thunderstorm Wind (G52)
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Roof damage occurred and numerous trees were blown down at the community of Ropers Landing, which is on the Ohio River.

Pope County

6 SSW Golconda to 5.2 S Golconda	04	2109CST 2111CST	1.2	50	0	0			Tornado (F1)
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The tornado began one to two miles south of the "Ropers Landing" community on the Ohio River, then crossed the river into Kentucky. Extensive tree damage was observed along a bluff on the river. The damage path extended to the river bank.

Pope County

2 SE Bay City	04	2110CST	0.2	40	0	0	8K		Tornado (F1)
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The tornado first touched down along the Ohio River near the small community of Bay City, then crossed the Ohio River into Kentucky. In and near Bay City, large trees up to 4 feet in diameter were blown down. Some barns and fences were damaged.

A long-lived supercell thunderstorm crossed the Mississippi River about 10 miles northwest of Cairo, then moved east along the Ohio River. While crossing the southernmost tip of Illinois, this storm was responsible for three tornadoes, large hail up to the size of golf balls, and damaging winds.

Pulaski County

Countywide	04	2025CST			0	0			Thunderstorm Wind (G52)
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Several homes sustained minor damage. Some trees were blown down across roadways.

Saline County

Ledford	04	2033CST			0	0			Thunderstorm Wind (G52)
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Tree limbs and a few trees were blown down. One large tree fell across power lines. U.S. Route 45 was blocked by a fallen tree for a couple of hours.

Alexander County

Countywide	04	2040CST 2200CST			0	0			Flash Flood
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Pulaski County

Countywide	04	2040CST 2200CST			0	0			Flash Flood
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Johnson County

South Portion	04	2048CST 2255CST			0	0			Flash Flood
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Saline County

South Portion	04	2100CST 2230CST			0	0			Flash Flood
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Massac County

Countywide	04	2107CST 2215CST			0	0			Flash Flood
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Pope County

Countywide	04	2117CST 2230CST			0	0			Flash Flood
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					Killed	Injured	Property	Crops	

ILLINOIS, South

Very heavy rain from thunderstorms produced estimated rainfall rates of 1 to 2.5 inches per hour across parts of southern Illinois. Water covered some roads. Several roads were closed in southern Johnson County. Several roads in Saline County experienced flash flooding, and snow plows were used to remove debris and corn stalks washed onto roads

White County
3 E Crossville

05 0643CST 0 0 Hail(0.75)

ILZ081-084

Franklin - Jackson

05 0800CST 0 0 Flood
19 0800CST

The Big Muddy River rose above flood stage in response to frequent thunderstorms in early May. At Murphysboro, where flood stage is 16 feet, the river crested at 26 feet on May 11. Some minor flooding affected houses just downstream of Bridge Street in Murphysboro, and there was flooding of woods and fields near the river. At Plumfield, where flood stage is 20 feet, the river crested at 21 feet on May 9. This resulted in minor field flooding.

Alexander County
1 N Olive Branch

06 1940CST 0 0 Hail(0.75)

Alexander County
Miller City

06 1957CST 0.3 30 0 0 Tornado (F0)
The tornado produced some minor tree damage.

Alexander County
Cairo

06 2000CST 0 0 Thunderstorm Wind (G55)

Johnson County
Cypress

06 2023CST 0 0 Hail(0.75)

A severe thunderstorm produced damaging winds in Cairo that downed numerous trees. Outside of Cairo, the storm produced a weak tornado and dime size hail.

Pulaski County
1 W Grand Chain to
5 E Grand Chain

06 2032CST 6 1000 1 13 3.5M Tornado (F4)
2040CST



A mobile home was blown some distance and demolished in rural eastern Pulaski County.



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ILLINOIS, South

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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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.



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ILLINOIS, South

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 missing 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

Johnson County

**Belknap to
Vienna**

**06 2046CST
2052CST 0 0 Hail(1.75)**

Pope County

Bay City

06 2057CST 0 0 Hail(0.88)

Massac County

**7 N Metropolis to
7.5 NNE Metropolis**

**06 2100CST
2105CST 0 0 80K Thunderstorm Wind (G104)**

The roofs of several houses were severely damaged or blown off. One business was destroyed. Several barns and outbuildings were destroyed. Numerous large trees were blown down, along with seven power poles. Peak winds were estimated near 125 MPH. The damage path began due north of Metropolis and crossed Illinois Route 145 about 7 miles north-northeast of Metropolis. Route 145 and several smaller roads were closed due to large trees blown across them. This damage was located in nearly the exact location where damaging thunderstorm winds occurred about 48 hours earlier, on the evening of May 4.

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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ILLINOIS, South

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.

Pope County 1 S Robbs to 1 S Eddyville

06	2117CST 2124CST				0	0			Hail(2.00)
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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.

Perry County Tamaroa to Du Quoin

06	2052CST 2230CST				0	0			Flash Flood
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Jackson County Countywide

06	2128CST 2300CST				0	0			Flash Flood
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Union County Countywide

06	2128CST 2300CST				0	0			Flash Flood
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Franklin County Countywide

06	2138CST 2300CST				0	0			Flash Flood
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Jefferson County Countywide

06	2138CST 2300CST				0	0			Flash Flood
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Massac County Countywide

06	2240CST 2345CST				0	0			Flash Flood
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Johnson County South Portion

06	2255CST 2355CST				0	0			Flash Flood
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Pope County Countywide

06 07	2305CST 0100CST				0	0			Flash Flood
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Hardin County Countywide

07	0009CST 0145CST				0	0			Flash Flood
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Thunderstorms with very heavy rain dumped estimated rainfall amounts of 2 to 4 inches in a few hours across parts of southern Illinois. Water was reported over many roads. Parts of U.S. Highway 51 were flooded between Du Quoin and Tamaroa in Perry County. In Hardin County, many county roads were closed after being flooded or washed out. A motorist was stranded in high water along a street in Anna in Union County. A weather observer in Anna measured nearly 7 inches of rain during the week ending May



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ILLINOIS, South

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Union County

Countywide

06 2115CST 0 0 **Thunderstorm Wind (G50)**
Trees were blown down, including some that fell across roads

Johnson County

3 S Cypress

06 2127CST 0.2 30 0 0 **Tornado (F0)**
The tornado was reported at the community of Whitehill, near the intersection of Perk and Whitehill Roads. Tree damage and some downed trees were the main effect of this tornado.

Johnson County

4 W Vienna

06 2138CST 0 0 **Hail(1.75)**

Johnson County

1 NNE Reevesville

06 2147CST 0.2 30 0 0 **Tornado (F0)**
Tree damage and some downed trees were the main effect of this tornado.

Massac County

1 E Samoth

06 2150CST 0.2 30 0 0 **Tornado (F0)**
Tree damage and some downed trees were the main effect of this tornado.

Alexander County

2 S Willard to Cairo

06 2127CST
2134CST 3 400 0 1 300K **Tornado (F2)**

The tornado formed northwest of Cairo near the Mississippi River. Three tractor-trailer rigs were overturned on the Interstate 57 bridge over the Mississippi River. The tornado tracked through Cairo, damaging dozens of homes and several businesses. One single-family home was destroyed, injuring a child who was cut by flying debris. Of the damaged homes, about four sustained major damage, and the rest had mainly minor damage.

Wayne County

Sims

06 2129CST 0 0 **Hail(0.75)**

ILZ087-090>094

Gallatin - Pope - Hardin - Alexander - Pulaski - Massac

07 0800CST 0 0 **Flood**
29 1600CST

The Ohio River rose above flood stage in response to repeated very heavy thunderstorms. The flooding was more significant downriver from the confluence of the Tennessee and Cumberland Rivers. Flood crests were generally 7 to 10 feet above flood stage. The flooding had a major impact on farming operations in the flood plain, causing some farmers to lose planted crops. Flooding of riverside parks and recreational facilities occurred. A few side roads near the river were flooded. At Shawneetown, where flood stage is 33 feet, the crest of 40 feet was on May 17. At Brookport Lock, across from Paducah, the crest of 46.5 feet was on May 14. Flood stage at Brookport is 37 feet. At Grand Chain, where flood stage is 42 feet, the crest of 52 feet was on May 14. The river crested at 50.6 feet at Cairo, well above the 40-foot flood stage.

Perry County

Tamaroa

09 1725CST 0 0 **Hail(1.00)**

Jefferson County

Ina to Belle Rive

09 1800CST
1815CST 0 0 **Hail(2.50)**

Wayne County

Enterprise

09 1950CST 0 0 **Hail(0.75)**

Wayne County

Cisne

09 2009CST 0 0 **Hail(1.75)**

Edwards County

1 W West Salem to West Salem

09 2024CST
2025CST 0 0 **Hail(1.75)**



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ILLINOIS, South

Wabash County

Lancaster

09 2034CST **0** **0** **Hail(0.75)**

Severe thunderstorms moved southeast from central Illinois, bringing large hail to several locations north of a line from Carbondale to Harrisburg. Tennis-ball size hail was photographed at Ina, about 8 miles south of Mount Vernon.

ILZ078-083-087

Wabash - White - Gallatin

10 0700CST **0** **0** **Flood**
24 1100CST

The Wabash River rose above flood stage in response to frequent thunderstorms in early May. At Mount Carmel, where flood stage is 19 feet, the river crested at 23.2 feet on May 19. Fifth Street that parallels the river was closed. A restaurant along the river was closed. Several local river roads were flooded. At New Harmony, Indiana, where flood stage is 15 feet, the river crested at 16.93 feet on May 20. This resulted in minor flooding of woods and fields near New Harmony. The flooding was relatively significant to farmers who had begun field operations in the flood plain.

Pulaski County

Ullin to
Perks

10 2110CST **0** **0** **Thunderstorm Wind (G55)**
2115CST

Roof damage occurred to a restaurant in Ullin, and a power pole was broken near Perks.

Johnson County

Countywide

10 2125CST **0** **0** **Thunderstorm Wind (G50)**

A few trees were blown down at scattered locations around the county.

Pulaski County

Grand Chain to
Olmsted

10 2240CST **0** **0** **Thunderstorm Wind (G50)**

Several trees were blown down.

Alexander County

Countywide

10 2200CST **0** **0** **Heavy Rain**
2330CST

Johnson County

Countywide

10 2200CST **0** **0** **Heavy Rain**
11 2330CST

Pope County

Countywide

10 2200CST **0** **0** **Heavy Rain**
11 0015CST

Thunderstorms containing very heavy rain caused some road flooding. In Pope County, water was over Routes 145 and 146. Numerous streets and county roads in Johnson County had water over them. Street flooding was reported in Alexander County.

ILZ083

White

11 1200CST **0** **0** **Flood**
22 1700CST

The Little Wabash River rose above flood stage in response to frequent thunderstorms in early May. At Carmi, where flood stage is 27 feet, the river crested at 30.16 feet on May 16. County roads were flooded. Woods and fields in low-lying areas were flooded, and oil well operations were disrupted.

ILZ084-088-092

Jackson - Union - Alexander

13 0800CST **0** **0** **Flood**
15 1300CST

The Mississippi River rose above flood stage in response to frequent severe thunderstorm activity in early May. The flooding was minor, with some low-lying agricultural land affected. Since springtime farming operations had begun, the effect of this flooding was relatively significant compared to winter season flooding. The river crested about one foot above flood stage. At Thebes, where flood stage is 33 feet, the crest was 33.6 feet on May 14.



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ILLINOIS, South

Saline County

Carriers Mills	14	2316CST			0	0			Hail(0.88)
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Saline County

8 W Harrisburg	14	2330CST			0	0			Thunderstorm Wind (G52)
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Six power poles were blown down near the Williamson/Saline County border.

Wayne County

Mt Erie	15	0830CST			0	0			Hail(1.00)
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Edwards County

Albion	15	0851CST			0	0			Hail(1.00)
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Wabash County

Cowling	15	0915CST			0	0			Hail(1.50)
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A severe thunderstorm, occurring near an upper level low with cold air aloft, produced large hail. Quarter size hail accompanied the storm from northeast Wayne County southeastward to the Wabash River just north of Interstate 64

White County

Carmi	28	1830CST			0	0			Thunderstorm Wind (G52)
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A carport was blown onto telephone lines. Numerous large tree limbs and a few trees were blown down. Some tin was blown off the roofs of older buildings in rural parts of the county.

INDIANA, Southwest

Posey County

Mt Vernon	01	1204CST 1217CST			0	0			Hail(0.88)
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Posey County

Blairsville	01	1240CST			0	0			Hail(0.75)
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Vanderburgh County

5 N Evansville	01	1252CST			0	0			Thunderstorm Wind (G60)
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Gibson County

1 S Oakland City	01	1305CST			0	0			Thunderstorm Wind (G78)
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Warrick County

2 N Boonville	01	1315CST			0	0			Thunderstorm Wind (G65)
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Pike County

2 W Arthur to 1 S Otwell	01	1320CST 1340CST			0	0			Thunderstorm Wind (G70)
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Gibson County

Oakland City	01	1321CST			0	0			Hail(0.75)
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Spencer County

Grandview	01	1329CST			0	0			Hail(0.75)
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Thunderstorm winds were estimated around 80 MPH at several spots in southwest Indiana. About 15 to 20 trees and large limbs were blown onto city streets in Evansville, and a falling tree damaged a house roof. Just north of Evansville, a house on Fisher Road was badly damaged and two large trees were down. Three walls of the house buckled. In Warrick County, large trees and limbs were blown down north of Boonville. In Gibson County, trees were blown down on Highway 57 about a mile south of Oakland City. In Pike County, a sporadic path of tree damage extended from just west of Arthur across Winslow to just south of Otwell. Some of the trees landed on power lines.

Pike County

.5 N Otwell	05	0330CST			0	0			Thunderstorm Wind (G70)
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INDIANA, Southwest

Thunderstorm winds from 75 to 80 MPH caused minor damage to two homes and destroyed a gazebo. Numerous trees were blown down and outbuildings sustained minor damage.

INZ081>082

Gibson - Pike

06	0900CST								
22	1600CST				0	0			Flood

The White River rose above flood stage in response to frequent thunderstorms in early May. At both Petersburg and Hazleton, where flood stage is 16 feet, the river crested at 21.5 feet. Low bottomlands were flooded, and flooding began to affect higher bottomlands. State Road 257 was flooded. Since it was agricultural season, the flooding was significant to farmers who planted in the flood plain. High water affected residents in river cabins. Oil fields and local roads flooded.

Vanderburgh County

Evansville	06	2321CST							
					0	0			Hail(0.75)

Gibson County

5 W Patoka	07	1520CST							
					0	0			Thunderstorm Wind (G50)

A few trees and power lines were blown down at Gordon Hills.

Warrick County

5 S Boonville	08	1740CST							
					0	0			Thunderstorm Wind (G50)

Small trees were uprooted near Highway 61 in the Turpin Hill area.

Warrick County

Lynnville	08	1745CST							
					0	0			Hail(0.88)

Spencer County

Lincoln City	08	1805CST							
					0	0			Hail(1.25)

Spencer County

Dale to Santa Claus	08	1810CST							
					0	0			Thunderstorm Wind (G50)

Trees were down near Dale and Santa Claus.

Pike County

1 NW Otwell	09	1340CST							
					0	0			Hail(0.75)

Pike County

2 E Campbelltown to Winslow	09	1352CST							
		1401CST			0	0			Hail(1.00)

INZ081-085

Gibson - Posey

10	0900CST								
24	1600CST				0	0			Flood

The Wabash River rose above flood stage in response to frequent thunderstorms in early May. At Mount Carmel, Illinois, where flood stage is 19 feet, the river crested at 23.2 feet on May 19. Floodwaters began to affect residents of East Mt. Carmel, Indiana. At New Harmony, Indiana, where flood stage is 15 feet, the river crested at 16.93 feet on May 20. This resulted in minor flooding of woods and fields near New Harmony. The flooding was relatively significant to farmers who had begun field operations in the flood plain.

INZ085-087>088

Posey - Warrick - Spencer

12	0800CST								
19	1700CST				0	0			Flood

Due to very heavy rain from repeated thunderstorm activity, the Ohio River went above flood stage along some stretches. At Newburgh Lock and Dam, where flood stage is 38 feet, the river crested at 40.6 feet on May 15. At Mount Vernon, the river crested almost three feet above flood stage. The flooding was minor, but it had a significant impact on farming operations in the flood plain.



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 Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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INDIANA, Southwest

Pike County									
Stendal	15	0850CST			0	0			Hail(0.75)
Spencer County									
Santa Claus	15	0930CST			0	0			Hail(0.75)
Gibson County									
1 W Johnson	15	0945CST			0	0			Hail(0.88)
Warrick County									
Chandler	15	1015CST			0	0			Hail(0.75)
Warrick County									
Newburgh	15	1035CST			0	0			Hail(1.00)

Thunderstorms developed near an upper-level low with cold air aloft. Several of the storms produced dime to quarter size hail.

Warrick County									
South Portion	17	1600CST 1730CST			0	0			Flash Flood
Spencer County									
South Portion	17	1630CST 1745CST			0	0			Flash Flood

In Warrick County, many county and state highways were covered with 8 to 12 inches of water. A spotter reported 4.6 inches of rain in Boonville in about two hours. Officials closed Highways 261, 66, and 662, and about 3 feet of water was reported over Highway 61. In Spencer County, officials reported 2 to 4 feet of water over Highway 700E, and water was over Highway 600E. Spotters reported 2 to 3 inches of rain in Grandview in about 90 minutes.

Spencer County									
6 S Chrisney	17	1605CST			0	0			Thunderstorm Wind (G50)

Trees were blown down.

KENTUCKY, Southwest

Carlisle County									
Bardwell	01	1052CST			0	0			Thunderstorm Wind (G52)
Mccracken County									
Paducah to Lone Oak	01	1115CST			0	0	10K		Thunderstorm Wind (G50)
Graves County									
4 NE Folsomdale	01	1130CST			0	0			Thunderstorm Wind (G52)
Marshall County									
Fairdeal	01	1145CST			0	0	2K		Thunderstorm Wind (G52)
Caldwell County									
Princeton	01	1205CST			0	0			Thunderstorm Wind (G52)
Calloway County									
Murray	01	1205CST			0	0	3K		Thunderstorm Wind (G50)
Union County									
4 W Morganfield	01	1213CST			0	0			Hail(1.00)
Crittenden County									
Marion	01	1215CST			0	0			Hail(0.75)
Trigg County									
Cadiz	01	1223CST			0	0			Thunderstorm Wind (G50)
Hopkins County									
Madisonville	01	1230CST			0	0			Thunderstorm Wind (G60)



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Storm Data and Unusual Weather Phenomena



May 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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KENTUCKY, Southwest

Henderson County

Henderson to Corydon	01	1233CST 1245CST			0	0			Thunderstorm Wind (G52)
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Daviess County

2 W Utica	01	1313CST			0	0	1K		Thunderstorm Wind (G52)
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Todd County

3 S Elkton	01	1324CST			0	0			Thunderstorm Wind (G57)
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Daviess County

Red Hill	01	1345CST			0	0			Thunderstorm Wind (G50)
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A complex of thunderstorms organized into a squall line as it crossed western Kentucky. Several locations reported damaging wind gusts from 60 to 70 MPH. In Paducah, the ceiling of a business was damaged, and about a dozen trees were blown down. One of the trees landed on a garage and vehicle. In the Marshall County town of Fairdealing, vinyl siding was blown off a house, and a tree was blown onto another house. In Graves County, numerous large trees were down, including 15 to 20 very large trees uprooted near Folsomdale. Around a dozen trees and large limbs were blown down in Murray, mainly on the west side of the city. Some of the trees and limbs fell across roads and power lines. Several large trees were blown down in and around Cadiz in Trigg County. In Henderson County, tree limbs and power poles were blown down. A roof was blown off a barn west of Utica in Daviess County. In Madisonville, a business was unroofed and trees were down on cars and houses. Over 30 trees were down in Caldwell County, including some on homes and cars. Estimated gusts to 65 MPH in Todd County uprooted large trees.

Fulton County

Cayce	02	0539CST			0	0			Hail(0.88)
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Graves County

2 S Pilot Oak	02	0610CST			0	0			Hail(1.25)
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A thunderstorm became severe over Fulton County, producing nickel size hail at Cayce. The storm tracked east-southeast across the southernmost part of Graves County before crossing into Tennessee. Half-dollar size hail fell about half a mile north of the Tennessee state line on Highway 129.

Ballard County

Wickliffe to Barlow	04	1020CST 1030CST			0	0			Hail(1.00)
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Mccracken County

Grahamville to Ragland	04	1050CST			0	0			Hail(0.75)
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Mccracken County

Massac to Paducah	04	1058CST 1112CST			0	1	20M		Hail(2.50)
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Mccracken County

Reidland	04	1117CST			0	0			Hail(0.88)
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Livingston County

2 S Ledbetter	04	1124CST			0	0			Hail(1.25)
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Marshall County

Calvert City to Gilbertsville	04	1124CST 1132CST			0	0	10M		Hail(2.75)
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Marshall County

1.5 N Tatumsville	04	1132CST			0	0			Thunderstorm Wind (G70)
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Lyon County

3 SW Kuttawa	04	1150CST			0	0			Hail(1.75)
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One of the most destructive hailstorms on record in far western Kentucky began near the Mississippi River just south of Cairo,



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 Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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KENTUCKY, Southwest

Illinois. The storm moved east across Ballard County, producing quarter-size hail. One-inch diameter hail was reported on U.S. Highway 60 at mile marker 7, near Barlow. Hailstones grew larger as the storm crossed McCracken County, pounding the southwest side of Paducah and Lone Oak with hail from golf ball to tennis ball size. Thousands of vehicles were dented, and hail broke some windshields, including the windshield of a deputy sheriff's vehicle. The roofs of hundreds of buildings sustained at least minor damage. The only known injury occurred in Paducah, when a woman leaving church received cuts and abrasions from hailstones. She was treated at a local hospital. As the storm continued east across northern Marshall County, hail up to baseball size broke the windshields of many vehicles and damaged the siding and roofing of homes. A downburst with estimated 80 MPH winds began along Highway 641 and continued east for 3 miles toward Kentucky Lake. Numerous trees were blown down, some of which landed on houses. In Lyon County, the storm produced golf-ball hail east of Barkley Dam before finally weakening. Although total damage estimates as reported by insurance companies are in the tens of millions of dollars, the exact amount will never be known.

Crittenden County									
Marion	04	1325CST			0	0			Thunderstorm Wind (G50)
Crittenden County									
Shadey Grove	04	1345CST			0	0			Hail(1.75)
Webster County									
Providence	04	1355CST			0	0			Hail(0.88)
Hopkins County									
Nebo	04	1400CST			0	0			Hail(1.75)
Hopkins County									
Manitou to Madisonville	04	1411CST 1418CST			0	0			Hail(1.00)

A severe thunderstorm crossed the Ohio River into northwest Crittenden County, then moved east across Providence and Madisonville. Large hail from nickel to golf ball size was reported along the path of the storm. Several trees were blown down in Marion, including one that blocked the main street through town.

Henderson County									
Spottsville	04	1425CST			0	0			Hail(0.75)
Mclean County									
Island	04	1443CST			0	0			Hail(0.88)
Ballard County									
2.4 NE Monkeys Eyebrow 6 ENE Monkeys Eyebrow	04	2043CST 2047CST	2.5	30	0	0			Tornado (F0)

This tornado touched down in bottomland along the Ohio River, downing about a half dozen trees. The tornado proceeded to cross the Ohio River into Illinois.

Ballard County									
1 W Monkeys Eyebrow to 5 NNW Kevil	04	2045CST			0	0			Thunderstorm Wind (G61)
McCracken County									
Ragland	04	2051CST			0	0			Thunderstorm Wind (G61)
Livingston County									
Joy	04	2110CST			0	0			Hail(1.00)
Livingston County									
Joy to Carrsville	04	2110CST			0	0			Thunderstorm Wind (G52)

A severe thunderstorm moved east across northern Ballard and northwest McCracken Counties, downing numerous trees and power lines. The rotating storm also produced a tornado along the Ohio River in Ballard County. This storm was a long-lived supercell that formed over southeast Missouri and tracked northeast up the Ohio River Valley. The storm crossed back into Kentucky in Livingston County. Fallen trees blocked roadways across northern Livingston County.

Ballard County									
North Portion	04	2057CST 2200CST			0	0			Flash Flood



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May 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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KENTUCKY, Southwest

Mccracken County Northwest Portion	04	2107CST 2210CST			0	0			Flash Flood
Calloway County Countywide	04	2201CST 2300CST			0	0			Flash Flood
Carlisle County Countywide	04	2201CST 2300CST			0	0			Flash Flood
Fulton County Countywide	04	2201CST 2300CST			0	0			Flash Flood
Graves County Countywide	04	2201CST 2300CST			0	0			Flash Flood
Hickman County Countywide	04	2201CST 2300CST			0	0			Flash Flood
Lyon County Countywide	04	2201CST 2300CST			0	0			Flash Flood
Marshall County Countywide	04	2201CST 2300CST			0	0			Flash Flood
Trigg County Countywide	04	2201CST 2300CST			0	0			Flash Flood

Severe thunderstorms produced estimated rainfall rates of 1 to 2.5 inches per hour.

Livingston County 2.5 NW Birdsville to 1.5 SW Lola	04	2110CST 2126CST	9.6	60	0	0			Tornado (F1)
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The tornado crossed the Ohio River near Birdsville, tracked northeast across Hampton, then dissipated before reaching Lola. Numerous large trees were blown down. Grain bins were destroyed. The few homes in the path of the tornado sustained roof damage.

Livingston County 6 NW Birdsville to 6.3 NNW Birdsville	04	2111CST 2112CST	1	30	0	0			Tornado (F1)
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The tornado crossed the Ohio River from Pope County, Illinois and ended on the west side of Highway 137. A number of trees were blown down.

Crittenden County 4.3 W Sheridan to 1 SE Sheridan	04	2130CST 2138CST	5.5	30	0	0			Tornado (F1)
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The tornado downed numerous trees.

Crittenden County 2.5 SW Sheridan to 1.5 SSW Sheridan	04	2132CST	2	40	0	0			Tornado (F1)
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The damage from this tornado consisted mostly of downed trees.

Crittenden County .6 NE Mattoon to .8 NE Mattoon	04	2145CST	0.2	25	0	1			Tornado (F2)
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A mobile home was destroyed, and there was significant damage to a permanent home. The occupant of the mobile home received minor injuries. A barn was destroyed, and numerous trees and power lines were down. Peak winds were estimated near 120 MPH.

Webster County 4 WSW Clay	04	2153CST	0.2	20	0	0			Tornado (F1)
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Storm Data and Unusual Weather Phenomena



May 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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KENTUCKY, Southwest

This tornado occurred on Highway 143 just south of Highway 109 at an orchard. Numerous small trees were blown down. An old barn was destroyed, and a house received minor damage. Peak winds were estimated near 105 MPH.

Webster County 2 W Clay

04	2156CST	0.2	25	0	0	350K	Tornado (F1)
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Three large chicken houses were destroyed at a chicken farm on the south side of Highway 109. Peak winds were estimated near 105 MPH. The houses contained about 100,000 chickens, most of which survived.

Webster County .7 W Clay to .7 E Clay

04	2158CST 2200CST	1.5	75	0	1	1M	Tornado (F2)
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In Clay, 6 homes and 2 businesses were destroyed. An additional 45 homes and 4 businesses received varying degrees of damage, ranging from minor to major. A woman was injured when a tree fell and landed on her, breaking her hip. Peak winds were estimated near 125 MPH. One of the destroyed businesses was a hardware store. The other business, on the north side of Clay, housed spring planting supplies. That business lost four metal buildings. Numerous trees and power lines were blown down.

A severe thunderstorm produced a series of tornadoes across Livingston, Crittenden, and Webster Counties. Both tornadoes in Livingston County originated on the Illinois side of the Ohio River. The strongest tornadoes occurred from Mattoon to Clay, where F2 damage was observed in spots.

Calloway County 6 NE Murray to 7.8 NE Murray

04	2130CST 2137CST	1.8	60	0	0	350K	Tornado (F2)
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The tornado began along Highway 732 about one quarter mile east of Highway 94. It then moved northeast, roughly parallel to Highway 94, for almost two miles. Six homes received minor to moderate damage. Numerous trees were down, two barns were destroyed, and several others were damaged. Peak winds were estimated near 120 MPH.

Graves County 2.5 S Bell City

04	2130CST			0	0		Thunderstorm Wind (G77)
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Straight-line thunderstorm winds estimated up to 85 MPH produced damage in the southeast corner of Graves County, about 150 yards from the Tennessee state line. Numerous trees and power lines were down.

Calloway County 4.8 SW Harris Grove to .5 SW Murray

04	2131CST 2140CST			0	0		Thunderstorm Wind (G77)
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A continuous damage path from straight-line thunderstorm winds began at the Graves County line and continued northeast, ending at the southwest edge of Murray. Numerous trees and power lines were blown down, including some that landed on cars and one home. Light structural damage occurred to roofs, and shingles were blown off. Average winds in the damage area were estimated around 65 MPH, except 85 MPH near the town of Wiswell. Including the start of the damage path in Graves County, the length of the damage area was 11 miles. The width of the damage area averaged one-half mile. The damage area ended on South 16th Street in southwest Murray.

A supercell thunderstorm moved northeast from Tennessee, producing straight-line wind damage from the southeast corner of Graves County to Murray. The storm then spawned a tornado northeast of Murray.

Livingston County 2 S Ledbetter

04	2224CST			0	0		Hail(1.25)
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Livingston County Ledbetter

04	2224CST			0	0		Thunderstorm Wind (G50)
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Storm Data and Unusual Weather Phenomena



May 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
<u>KENTUCKY, Southwest</u>									
Marshall County Calvert City to 1 N Calvert City	04	2224CST			0	0			Hail(1.25)
Calloway County Murray	04	2228CST			0	0			Thunderstorm Wind (G52)
Graves County Bell City	04	2232CST			0	0			Thunderstorm Wind (G52)
Caldwell County Princeton	04	2240CST			0	0			Thunderstorm Wind (G50) Numerous trees and power lines were blown down.
Daviess County 2.5 S St Joseph	04	2245CST 2246CST	0.2	25	0	2	75K		Tornado (F2) A mobile home was destroyed, injuring two persons. A boy received a broken arm, and a girl suffered a broken back. Several barns and garages were blown down, and a garage was pushed off its foundation. One permanent home received minor damage.
Mclean County Livermore	04	2245CST			0	0			Thunderstorm Wind (G52) About one third of the roof of a furniture business was torn off. Numerous large trees were down, with power outages in the area.
Muhlenberg County Weir	04	2245CST			0	0	12K		Thunderstorm Wind (G55) A large equipment shed was destroyed, and numerous trees were down. The equipment shed was about 60 feet long and capable of housing three combines. The small damage area was on Greens Chapel Road close to the Christian County line
Christian County Oak Grove	04	2246CST			0	0			Hail(1.00)
Daviess County St Joseph	04	2300CST			0	0			Hail(1.75)
Christian County South Portion	05	0020CST 0200CST			0	0			Flash Flood
Todd County South Portion	05	0042CST 0215CST			0	0			Flash Flood Thunderstorms with very heavy rain dumped the highest rainfall totals near the Tennessee state line. Road closures were reported in Oak Grove in southern Christian County.
Christian County Ft Campbell Aaf to 2 NW Oak Grove	05	1332CST 1341CST			0	0			Hail(1.00) A severe thunderstorm moved northeast from Tennessee, passing across extreme southern Christian County. Dime size hail was reported at exit 86 of Interstate 24, and quarter size hail was reported in a weather observation from the Fort Campbell airfield
Ballard County 5 NW Wickliffe to 4 ENE Blandville	06	2141CST 2200CST	15	300	0	0			Tornado (F2)



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Storm Data and Unusual Weather Phenomena



May 2003

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KENTUCKY, Southwest

The tornado crossed into Ballard County between Wickliffe and the U.S. Route 60/62 bridge over the Ohio River. The tornado was rated F-2 in a forested area along the Mississippi River just north of Wickliffe, where intense tree damage was observed. Along the rest of its path through Ballard County, it was rated F-1 or F-0 (winds below 113 MPH). Where the tornado passed through the northeast outskirts of Wickliffe, there were a few homes with mainly minor damage. Roads were blocked by large fallen trees, including a 300-year-old white oak tree. The tornado moved east-southeast across rural Ballard County, where there was considerable roof damage to a home, and a garage door was blown out. Large trees were uprooted. At least one house was struck by falling trees. There was slight structural damage to the roof and attic portion of a home.

McCracken County

4.5 W Melber to
2.5 W Melber

06	2212CST 2215CST	2	75	0	0				Tornado (F0)
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Trees were snapped off or uprooted along the north side of Highway 1820, just inside the McCracken County line. Peak winds were estimated near 70 MPH.

Carlisle County

Countywide

06	2215CST			0	0				Thunderstorm Wind (G52)
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Numerous trees were blown down across the county.

McCracken County

.3 S Lone Oak to
4.2 SE Lone Oak

06	2217CST 2222CST	3.5	80	0	0				Tornado (F1)
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Numerous trees were snapped or uprooted. The tornado began just east of U.S. Highway 45 on the south side of Lone Oak, and moved southeast across Highway 994 (Old Mayfield Road) to about Highway 1954 (Husband Road). Peak winds were estimated near 80 MPH.

Graves County

3.5 NNW Folsomdale

06	2222CST 2223CST	0.5	125	0	0				Tornado (F1)
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The tornado occurred just west of U.S. Highway 45, along Highway 1241 near the McCracken County line. A mobile home was moved completely off its foundation and damaged. Two nearby homes had minor roof damage. Peak winds were estimated from 90 to 100 MPH.

Graves County

1.5 NW Symsonia to
.5 NW Symsonia

06	2232CST 2234CST	1	100	0	0				Tornado (F1)
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Several large trees were uprooted. The tornado was witnessed by a firefighter. The damage was along Highway 348.

Hickman County

8.4 ESE Clinton to
10.2 SE Clinton

06	2232CST 2235CST	2	50	0	0				Tornado (F1)
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The tornado path began on Highway 944 about 2.5 miles southeast of Fulgham. Some trees were blown down. Most of the tornado's path was in Graves County.

Graves County

5 SW Wingo to
.5 S Bell City

06	2235CST 2302CST	20	50	0	0				Tornado (F1)
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The tornado entered Graves County a couple miles north of where the Purchase Parkway crosses the Hickman/Graves County line. A very broken path of damage extended across southern Graves County to near the Calloway County border. A garage attached to a residence was destroyed. Roofs were damaged. An open aluminum equipment shed was heavily damaged. Trees were blown down. Peak winds were estimated near 95 MPH.

Livingston County

Countywide

06	2235CST			0	0				Thunderstorm Wind (G52)
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Trees and limbs were blown down across the county, including one that fell on a house near Burna



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May 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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KENTUCKY, Southwest

Fulton County

Bondurant	06	2238CST			0	0	2K		Thunderstorm Wind (G52)
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A couple of power poles were down on Highway 94.

Marshall County

8 NW Benton to 6 NW Benton	06	2238CST 2241CST	2	100	0	0			Tornado (F1)
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Numerous trees were uprooted or snapped. Barns and sheds were damaged. Peak winds were estimated near 85 MPH. The damage was along Highway 348.

Graves County

1 NW Mayfield	06	2240CST			0	0			Hail(1.75)
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Marshall County

2 SE Briensburg	06	2250CST	0.5	80	0	0			Tornado (F0)
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Along U.S. Highway 68, there were large trees down. Peak winds were estimated near 70 MPH.

Union County

Boxville to 5 ENE Boxville	06	2252CST 2300CST	4	100	0	0	400K		Tornado (F1)
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The tornado downed numerous trees. One farm, located on Highway 56 near the junction of Highway 141, was heavily damaged. Many trees were blown down in a wildlife area. The tornado crossed into Henderson County, where most of the structural damage occurred.

Marshall County

4.5 SE Briensburg	06	2255CST	0.5	80	0	0			Tornado (F1)
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Large trees were down, and sheds and barns were damaged. Peak winds were estimated near 85 MPH. The damage area was along U.S. Highway 68.

Henderson County

6.8 SSW Corydon to 1 E Robards	06	2300CST 2321CST	11	100	0	0	350K		Tornado (F1)
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The tornado entered the southwest corner of the county from Union County. Most of the significant damage occurred near Robards, where three mobile homes were destroyed. Several large barns were destroyed. An empty grain silo was damaged. Upwards of 100 trees were down. The damage ended along U.S. Highway 41 near the Pennyrile Parkway at a truck stop. Peak winds were estimated near 110 MPH.

Crittenden County

Frances	06	2310CST			0	0			Thunderstorm Wind (G52)
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Two tool sheds were destroyed. A grain silo was damaged, and there was shingle damage to homes

Calloway County

Countywide	06	2315CST			0	0			Thunderstorm Wind (G50)
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Several trees were down across the county.

Webster County

Poole	06	2325CST			0	0			Thunderstorm Wind (G52)
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Trees were blown down across Highway 41A and Highway 56.

Daviess County

Countywide	06	2330CST			0	0			Thunderstorm Wind (G55)
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Trees and limbs were blown down by winds estimated from 60 to 70 MPH.

The most prolific tornado-producing storm of the night entered western Kentucky near the confluence of the Ohio and Mississippi Rivers and moved east, passing between Paducah and Mayfield. The storm continued to spawn tornadoes, mostly of weak to moderate intensity, until it reached Kentucky Lake. Elsewhere, severe thunderstorms moved northeast across northwest Kentucky, producing sporadic wind damage and a tornado. Sporadic wind damage occurred in Livingston, Crittenden, Webster, and Daviess Counties, with a tornado in Union and Henderson Counties.



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 Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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KENTUCKY, Southwest

Union County

Countywide	07	0009CST 0145CST			0	0			Flash Flood
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KYZ021

		Muhlenberg			0	0			Flood
	08	1000CST							
	13	1600CST							

The Green River rose above flood stage in response to frequent thunderstorms in early May. At the Paradise Fossil Plant, where flood stage is 380 feet, the river crested at 381.58 feet on May 11. This resulted in minor flooding of low-lying woods and fields near the river.

Mccracken County

Paducah	08	1206CST			0	0			Thunderstorm Wind (G52)
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KYZ004>005-007-010-014-018>019 Ballard - Mccracken - Livingston - Crittenden - Union - Henderson - Daviess

	08	1800CST			0	0			Flood
	26	0600CST							

The Ohio River rose above flood stage in response to repeated severe thunderstorm activity. Flooding was more significant downriver from the confluence with the Tennessee River. At Paducah, where flood stage is 39 feet, the river crested at 44.6 feet on May 14. This resulted in moderate flooding, with some closed side roads and inundated parks and campgrounds. Since planting season had begun, the impact on farming operations in the flood plain was significant. Upriver from the Tennessee, the flood crest at Uniontown in Union County was 3 feet above flood stage. This resulted in minor flooding, except to those farmers who had planted in the flood plain.

Crittenden County

Countywide	10 11	2300CST 0100CST			0	0	400K		Flash Flood
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Flooding caused by torrential thunderstorm downpours forced the closure of U.S. Highway 60 and U.S. Highway 641 in Marion for about 45 minutes. Part of First Street was impassable after a culvert was pushed out of place, causing tree limbs to flow under the asphalt and push up through it. Several businesses reported minor to moderate water damage. The county high school and the county courthouse sustained minor flooding damage. Floodwaters along U.S. Highway 60 swept a man's parked car into a nearby creek. A 500-gallon propane tank behind a house floated away. Substantial damage such as washed out culverts was reported on at least a dozen rural roads. The Sheridan area received significant flooding damage. Unofficial rainfall amounts were around 3 inches in an hour. The heaviest rainfall was in northern and central parts of the county.

Caldwell County

Creswell	10	2345CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down across Highway 1395 near Creswell. A trailer was damaged by a fallen tree

Calloway County

Taylors Store	10	2345CST			0	0			Thunderstorm Wind (G50)
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Several trees were blown down.

Webster County

Providence	10	2345CST			0	0			Thunderstorm Wind (G50)
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The road department cleared a few trees that fell across roads in Providence.

Hopkins County

Countywide	10 11	2350CST 0200CST			0	0			Flash Flood
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29 roads were washed out, including 22 that were blocked.



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 Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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KENTUCKY, Southwest

Hopkins County

St Charles to Madisonville	11	0001CST			0	0			Thunderstorm Wind (G55)
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A church was unroofed in St. Charles. The roof was blown off a pawn shop in Madisonville.

Hopkins County

Nebo to Hanson	11	0003CST 0015CST			0	0			Thunderstorm Wind (G50)
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Several trees were down over the north half of the county.

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.

Union County

Henshaw to Sturgis	14	2345CST			0	0			Hail(0.75)
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Hickman County

Columbus	15	0155CST			0	0			Hail(0.88)
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A severe thunderstorm moved southeast from Missouri, across the Mississippi River. This storm had a history of producing large hail in Missouri.

Daviess County

2 W Owensboro	15	1126CST			0	0			Hail(1.00)
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Daviess County

Owensboro	15	1130CST			0	0			Hail(0.75)
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Todd County

Clifty	15	1717CST			0	0			Hail(0.88)
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Fulton County

Fulton	17	0200CST 0430CST			0	0			Flash Flood
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Floodwaters entered a few businesses in Fulton.

Graves County

Wingo to Mayfield	17	0210CST 0500CST			0	0			Flash Flood
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Red Duck Creek flooded in Mayfield, causing the evacuation of ten homes between South 7th and South 9th Streets. Near the intersection of Highway 97 and the Kentucky 121 bypass, another three homes were evacuated. U.S. Route 45 just north of Mayfield was under 2 to 3 feet of water. The Purchase Parkway was closed between mile markers 16 and 20 between Wingo and Mayfield due to flooding. Some vehicles were flooded. In Pryorsburg, water rose as high as the pews in a church. Water was up to several feet deep in one home on U.S. Route 45. A bridge on Spence Chapel Road near Kentucky 131 was washed out. Newly planted corn and soybeans in farm fields were destroyed. An unofficial measurement of 6.75 inches of rain was recorded near U.S. Highway 45 between Hickory and Mayfield. Most of the rain fell in 3 to 4 hours. In Wingo, high water caused the evacuation of a family, and streets were flooded.

Mccracken County

2 SE Lone Oak to Reidland	17	0250CST 0500CST			0	0			Flash Flood
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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	

KENTUCKY, Southwest

Flooding of Champion Creek prompted the closure of Old Mayfield Road after a vehicle became stranded in swiftly moving water. Numerous streets were flooded in eastern McCracken County, including Husband Road just south of Farley.

Thunderstorms with a large area of very heavy rain tracked northeast from Fulton across Mayfield to the southern and eastern part of McCracken County.

MISSOURI, Southeast

Butler County									
15 NW Poplar Bluff	01	0904CST			0	0			Hail(1.00)
Stoddard County									
6 W Dexter	01	0932CST			0	0			Hail(0.75)
Scott County									
Kelso	01	1005CST			0	0			Hail(0.75)
Scott County									
Scott City	02	0236CST			0	0			Hail(1.00)
Bollinger County									
Grassy to 3 S Marble Hill	02	0306CST 0315CST			0	0			Hail(0.88)
Mississippi County									
Bertrand	04	1141CST			0	0			Hail(1.75)
Ripley County									
Gateway to 9 W Doniphan	04	1853CST 1902CST			0	0			Hail(1.00)
Butler County									
2 W Poplar Bluff to 9 N Poplar Bluff	04	1914CST 1918CST			0	0			Hail(0.75)
Wayne County									
Wappapello	04	1920CST			0	0			Thunderstorm Wind (G52)
Stoddard County									
2 W Advance	04	1937CST			0	0			Thunderstorm Wind (G70)
Scott County									
.5 S Morley to 1 SW Lusk	04	1953CST 2005CST	11.5	130	0	0	75K		Tornado (F2)

One mobile home was destroyed. Several small buildings were damaged. Numerous trees were blown down or damaged. Several irrigation systems were moved and/or turned over. Peak winds in the tornado were estimated near 130 MPH.

Severe thunderstorms produced dime to nickel size hail in isolated locations from around Poplar Bluff west. The storms then organized into a single tornadic supercell just northeast of Poplar Bluff. This long-lived supercell moved east, passing between Cape Girardeau and Sikeston, then continued east-northeast through the Lower Ohio River Valley. The supercell produced a tornado in Scott County. Trees were blown down at Wappapello in southeast Wayne County.

Bollinger County									
Countywide	04	2010CST 2200CST			0	0			Heavy Rain
Cape Girardeau County									
Countywide	04	2010CST 2200CST			0	0			Heavy Rain



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	

MISSOURI, Southeast

Perry County

Countywide	04	2010CST 2200CST			0	0			Heavy Rain
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Scott County

Morley to Scott City	04	2010CST 2200CST			0	0			Flash Flood
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In Scott County, parts of Interstate 55 and U.S. Highway 61 were covered by water. In Scott City, a number of houses, businesses, and at least one church were flooded. Cars floated in garages. Three feet of water was in some basements. A basement wall collapsed, causing considerable damage to the single family house. Main Street in Scott County was barricaded in two places. Several county roads were flooded in Bollinger, Cape Girardeau, and Perry Counties. In the city of Cape Girardeau, police assisted two vehicles stranded at flooded intersections.

Ripley County

10 N Doniphan	06	0035CST			0	0			Thunderstorm Wind (G52)
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Bollinger County

Marble Hill to 3 S Marble Hill	06	1856CST 1900CST			0	0			Hail(1.25)
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Bollinger County

.3 S Grassy to .7 ESE Grassy	06	1904CST 1906CST	0.8	100	0	0	40K		Tornado (F2)
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A mobile home, a house, and a barn was destroyed. Most of the damage was on County Road 702. Peak winds were estimated around 130 MPH.

Bollinger County

5 E Marble Hill to 5.3 E Marble Hill	06	1918CST	0.3	50	0	0			Tornado (F0)
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Damage was mainly to trees. A barn/outbuilding was damaged or destroyed.

Cape Girardeau County

10 W Jackson to Jackson	06	1930CST 1940CST			0	0			Hail(1.75)
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The hail accumulated to a depth of an inch or two.

Cape Girardeau County

2 S Burfordville to 2.5 SE Burfordville	06	1931CST 1933CST	1	50	0	0			Tornado (F1)
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An old farmhouse was partially destroyed, with the kitchen still standing but the rest of the house flattened. A nearby barn was destroyed. Numerous trees were blown down.

Perry County

Silver Lake	06	1941CST			0	0			Hail(2.00)
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Cape Girardeau County

Jackson to 2 NE Jackson	06	1945CST 1950CST	2	50	0	2			Tornado (F3)
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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	

MISSOURI, Southeast

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 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. Preliminary indications were that damage was in the tens of millions of dollars, but no specific estimate was available.

Perry County

Altenburg	06	1950CST			0	0			Thunderstorm Wind (G70)
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Eight power poles were blown down or damaged. Numerous trees were uprooted. The damage area was about 2 to 3 miles long and around 100 feet wide.

Cape Girardeau County

Fruitland	06	2000CST			0	0			Hail(1.00)
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Perry County

Perryville	06	2000CST			0	0			Thunderstorm Wind (G70)
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Perry County

1 NE Biehle	06	2005CST			0	0			Hail(1.75)
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Cape Girardeau County

7 NNE Cape Girardeau to 3 E Oriole	06	2011CST 2018CST	3	50	0	0			Tornado (F1)
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The tornado touched down about 2 miles southeast of Oriole, south of Highway V. It moved northeast to along Highway 177 in the Trail of Tears State Park area. Numerous trees were blown down, including some on structures. A rental home was destroyed. At least one other house and metal buildings were damaged. Several sheds or barns were destroyed. Peak winds in the tornado were estimated near 80 MPH.

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.

Wayne County

Silva to Patterson	06	2032CST 2040CST			0	0			Hail(0.88)
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Bollinger County

Castor	06	2047CST			0	0			Hail(1.00)
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Scott County

3 N Benton to 4 E Benton	06	2122CST 2133CST	5	200	0	0			Tornado (F1)
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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	

MISSOURI, Southeast

The tornado began just west of Interstate 55 and moved southeast, ending as it crossed County Road 333. A vehicle was blown around on the interstate, and there was minor damage to homes. Numerous large trees were blown down. Maximum winds were estimated around 90 MPH.

Mississippi County

12 NNW Wyatt to Birds Pt	06	2134CST 2141CST	7	100	0	0			Tornado (F2)
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This tornado formed on the Illinois side of the Mississippi River, crossed the river into Missouri at the Interstate 57 bridge, then crossed the river into Kentucky. On the Interstate 57 bridge over the Mississippi River, three 18-wheelers were flipped over, closing the bridge for several hours. The Missouri portion of the track was mainly across undeveloped river bottomland, used mainly for planting crops.

Bollinger County

Countywide	06	2128CST 2300CST			0	0			Flash Flood
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Cape Girardeau County

Countywide	06	2128CST 2300CST			0	0			Flash Flood
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Perry County

Countywide	06	2128CST 2300CST			0	0			Flash Flood
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Thunderstorms produced very heavy rainfall, especially north and west of Cape Girardeau. In Cape Girardeau County, Hubble Creek was flooded at U.S. Highway 61. East of Appleton, a low water bridge on Apple Creek buckled and was closed. In Perryville, some cars were stranded at U.S. Highway 61 and Main Street and at a couple other problem spots. In Bollinger County, several gravel roads were washed out.

Butler County

2 W Poplar Bluff to .8 N Poplar Bluff	08	1000CST 1010CST			0	0			Hail(1.75)
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Golf ball size hail fell just west of Poplar Bluff at U.S. Highway 67 and PP Highway. Nickel to quarter size hail was reported by a co-operative observer on the north side of Poplar Bluff.

Stoddard County

Countywide	10	2215CST 2230CST			0	0			Thunderstorm Wind (G50)
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Large tree limbs and a couple of trees were blown down.

MOZ076-087-111>112-114 Perry - Cape Girardeau - Scott - Mississippi - New Madrid

	11 27	0300CST 2200CST			0	0			Flood
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The Mississippi River rose above flood stage in response to frequent severe thunderstorm activity in early May. The flooding was minor, with low-lying agricultural land flooded. Some roads near the river were closed, including Route 162 east of Portageville. Since springtime farming operations had begun, the effect of this flooding was relatively significant compared to winter season flooding. The river crested generally one to three feet above flood stage. At Cape Girardeau, where flood stage is 32 feet, the crest of 33.26 feet occurred on May 14. At New Madrid, where flood stage is 34 feet, the crest of 37.79 feet was on May 17. The duration of the flooding was much longer at locations below the confluence of the Ohio River

Wayne County

2 E Piedmont	14	2052CST			0	0			Hail(0.88)
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Wayne County

Wappapello	14	2145CST			0	0			Hail(0.88)
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Stoddard County

2.5 WSW Dexter to Dexter	14	2209CST 2215CST			0	0			Hail(1.75)
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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	

MISSOURI, Southeast

Hail ranged from dime size in Dexter to golf-ball size about 2.5 miles outside town.

Bollinger County									
Marble Hill	14	2345CST			0	0			Hail(1.00)
Bollinger County									
2 W Glennon to 2 S Glennon	15	0020CST			0	0			Hail(1.75)
Stoddard County									
Advance	15	0020CST			0	0			Hail(0.75)
Mississippi County									
3 E Bertrand	15	0111CST			0	0			Hail(0.75)
Mississippi County									
1 E Anniston	15	0130CST			0	0			Hail(1.25)

Vehicle damage was reported.

A couple of severe thunderstorms produced large hail for a long duration. The first severe storm moved southeast across Wayne and Stoddard Counties, producing hail up to golf-ball size near Dexter. The second severe storm tracked southeast from Marble Hill in Bollinger County to the Mississippi River south of Cairo, Illinois. This storm continued to produce large hail after crossing the river into western Kentucky.