

Franklin County
2 S West Frankfort

Saline County
Galatia to
1 S Eldorado

01

National Weather Service Storm Data and Unusual Weather Phenomena



June 2004 Time Local/ Path Length Path Number of Estimated Persons Width Damage **ILLINOIS**, South ILZ087-090>094 Gallatin - Pope - Hardin - Alexander - Pulaski - Massac 0000CST 1700CST 0 Flood Minor to moderate flooding of the Ohio River continued from late May into early June. The river crested above flood stage at all gage points on the Illinois side. Crests were only about a foot or two above flood stage at Brookport and Golconda. At Grand Chain and Cairo, the river crested 3 to 5 feet above flood stage. Flood stage at Grand Chain is 42 feet, and at Cairo flood stage is 40 feet. The crest at Shawneetown was 42.1 feet, well above the 33-foot flood stage. Flooding of bottomlands and low-lying fields near the river was considerable in some areas. A few river access roads were flooded, and some riverside parks were partially inundated. Jackson - Union - Alexander ILZ084-088-092 0000CST 1700CST Flood Minor flooding of the Mississippi River continued from late May into early June. The river briefly dropped below flood stage at Thebes from June 2 to June 4. The river crested at Thebes on June 6 at 33.67 feet, less than one foot above flood stage. This resulted in minor flooding of low-lying fields and bottomlands near the river. ILZ081-084 Franklin - Jackson 0000CST 2200CST 0 0 Flood Minor flooding of the Big Muddy River continued from late May into early June. At Plumfield, the river crested in May and was falling in early June. At Murphysboro, where flood stage is 16 feet, the river crested at 22.4 feet on June 1. This resulted in flooding of low-lying fields and bottomlands near the river. Johnson County 3 E Goreville to Ozark 0 Hail(1.00) A thunderstorm intensified to severe levels over northern Johnson County, producing hail up to quarter size over northeast parts of **Saline County** S Harrisburg to Hail(1.75) The severe thunderstorm moved northeast from Johnson County, producing golf-ball size hail just south of Harrisburg. **Wabash County** Mt Carmel 01 1615CST 3K Thunderstorm Wind (EG50) Tree limbs and power lines were blown down. **Wabash County** Mt Carmel Hail(1.75) 01 $\mathbf{0}$ **Gallatin County** 1 S Shawneetown 01 1636CST O Hail(0.75) Franklin County 2 N Zeigler 01 1650CST 0 Hail(0.75)

Dime to nickel size hail was reported across northern and eastern Saline County.

Hail slightly smaller than tennis balls was reported on the Williamson/Franklin County line.

0

0

Hail(2.00)

Hail(0.88)





June 2004 Time Local/ Path Length Path Number of Estimated Width Persons Damage **ILLINOIS, South** Williamson County Herrin 01 0 0 Hail(0.88) Penny to nickel size hail fell on the northwest side of Herrin. **Saline County** 5 S Eldorado 01 1750CST **Funnel Cloud Gallatin County** Equality to 4 E Equality 0 0 Hail(1.00) 1804CST Quarter-size hail fell at the intersection of Highways 1 and 13, just east of Equality. **Gallatin County** 2 S Ridgway to Shawneetown Hail(1.00) Nickel to quarter-size hail was reported from Shawneetown up toward Ridgway. **Saline County** Harrisburg to 01 Hail(1.00) Raleigh 1848CST Numerous reports of nickel to quarter-size hail were received from Harrisburg to Raleigh, including the Harrisburg Airport. **Saline County** Galatia to Eldorado Hail(1.00) 01 0 Quarter-size hail fell across northern Saline County, including on Route 34 near Galatia. Williamson County 6 S Marion 01 1858CST Hail(0.75) **Gallatin County** Hail(1.00) Shawneetown to 0 3 S Shawneetown 1918CST Quarter-size hail covered the ground 1 to 3 miles south of Shawneetown. Numerous thunderstorms developed over southern Illinois during the late afternoon, producing lots of hail from dime to quarter size. A few storms produced even larger hail around the size of golf balls. The severe storms were most concentrated across Saline and Gallatin Counties, where storms repeatedly moved from west to east across the same areas. This resulted in some flash flooding. A storm that moved east across Saline and Gallatin Counties displayed rotational characteristics, including a long-lived wall cloud and a brief funnel cloud. **Saline County** 2 N Harrisburg to 1 SE Eldorado 2034CST 2130CST 0 0 Flash Flood Six inches of water was over Highway 142 just southeast of Eldorado, covering both lanes of travel. Some flash flooding was also reported along Illinois Route 34 north of Harrisburg. **Gallatin County** 2 S Junction 01 0 Flash Flood 2140CST Water covered Sawmill Road. Thunderstorms with torrential rain repeatedly moved across Saline and Gallatin Counties, causing locally excessive rainfall. Rainfall was estimated to be from two to three inches, with isolated four inch amounts. **ILZ083** White 1300CST 1500CST 0 Minor flooding of the Little Wabash River occurred. At Carmi, where flood stage is 27 feet, the river crested 1.1 feet above flood

stage on June 5. This resulted in minor flooding of low-lying fields and bottomlands.





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numl Per Killed	ber of sons Injured	Estimated Damage Property Crop	June 2004 S Character of Storm
ILLINOIS, South								
Pulaski County								
Mound City	09 Large	1758CST tree limbs were d	lowned.		0	0		Thunderstorm Wind (EG50)
Alexander County Cairo	09 Trees,	1810CST, wires, and poles	were blown d	lown. A large	0 tree was up	0 prooted.	5K	Thunderstorm Wind (EG50)
Pulaski County Villa Ridge	12 Trees	1021CST and power lines v	vere down acı	ross portions	0 of the com	0 nunity.	3K	Thunderstorm Wind (EG50)
Union County	10	1.41 F.COM						The state of the s
5 S Alto Pass	12 Trees	1615CST were down on Ro	oute 127 about	t two miles n	0 orth of Rou	0 te 146.		Thunderstorm Wind (EG50)
Johnson County								
Cypress	12 Trees	1620CST were down near t	he intersection	n of Route 37	0 and Cypre	0 ess Road.		Thunderstorm Wind (EG50)
Perry County 2.5 N Pinckneyville to 1 S Pinckneyville	18	1617CST 1630CST			0	0	4K	Thunderstorm Wind (EG52) A tree partially fell on a house on Illinois
Perry County Cutler to Pinckneyville	18 Nume	1643CST 1800CST	flooded at Co	utler. There v	0 vas an unof	0		Pinckneyville on Route 127. Flash Flood inches in one hour at Cutler. Near Cutler,
Massac County								
5 N Metropolis to Metropolis	18	1909CST 2100CST			0	0		Flash Flood
	on roa							ere well-travelled county highways. Water ly fast-moving and crossing some roads at
Johnson County								
Cypress	18 Repor	1805CST ted on Highway 3	37 near Cypre	ss.	0	0		Hail(2.75)
Union County								
3 N Dongola	18 Severa	1807CST al trees were blow	n down near	U.S. Highwa	0 y 51.	0		Thunderstorm Wind (EG50)
Massac County								
3 N Metropolis	18 Trees	1848CST were down across	s North Avenu	ue.	0	0		Thunderstorm Wind (EG50)
	Count		Johnson Cou	inty, before i	reaching th	e Ohio Ri	ver near Metropo	rbondale, passing southeast across Union lis. The storm produced large hail up to
Union County								
3 N Dongola	18 Severa	1807CST al trees were blow	n down near	U.S. Highwa	0 y 51.	0		Thunderstorm Wind (EG50)





June 2004 Time Local Path Length Path Number of Estimated Width Persons Damage **ILLINOIS, South** ILZ078-083 Wabash - White 0300CST 1700CST 0 0 Flood Minor flooding of the Wabash River occurred. At Mount Carmel, where flood stage is 19 feet, the river crested at 22.15 feet on June 24. At New Harmony, where flood stage is 15 feet, the river crested at 16.26 feet on June 25. This resulted in flooding of low-lying fields and bottomlands near the river. Several local river roads were flooded, including a street in East Mount Carmel. Oil well production was halted, except for some wells on substructures. A flood gate was installed at Mount Carmel. **ILZ084** Jackson 2200CST 2100CST 0 Flood 20 21 Minor flooding of the Big Muddy River occurred. At Murphysboro, where flood stage is 16 feet, the river crested at 16.1 feet. This resulted in minor flooding of some low-lying fields near the river. **INDIANA**, Southwest INZ085-087>088 Posey - Warrick - Spencer 0000CST 1200CST Flood Flooding of the Ohio River continued from late May into early June. At Newburgh Lock and Dam, the river crested about 6 feet above the 38-foot flood stage on June 3. At Mount Vernon, the river crested about 6.5 feet above the 35-foot flood stage on June 3. These crests resulted in minor to moderate flooding. Bottomlands and low-lying fields near the river were inundated. Some roads near the river were flooded, mainly secondary access roads. **Gibson County** 01 1644CST Hail(0.88) **Princeton** Gibson County 3.7 S Princeton 01 1700CST Thunderstorm Wind (EG50) 0 0 Several trees were down on County Road 350S. **Warrick County** 2.5 NE Lynnville 01 1700CST **Funnel Cloud** Gibson County 1 S Princeton 01 1917CST Hail(0.75) Gibson County Somerville 01 1930CST Hail(0.75)

A few severe thunderstorms crossed southwest Indiana. The first severe storm displayed significant rotation as it moved east across the Wabash River from southern Illinois, passing through Gibson County and then along the Warrick/Pike County line. A sustained wall cloud and even a brief funnel cloud was observed with this storm. The severe weather reports consisted of hail from dime to nickel size, and an isolated report of downed trees.

0

Hail(0.75)

INZ085 Posey

01

1930CST

Pike County Winslow

03 1400CST 0 0 Flood

0

Minor flooding of the Wabash River occurred. At New Harmony, where flood stage is 15 feet, the river crested at 15.03 feet on June 5. This resulted in very minor flooding of low-lying fields and bottomlands near the river.



Webster County

National Weather Service Storm Data and Unusual Weather Phenomena



June 2004 Time Local Path Length Path Number of Estimated Persons Width Damage INDIANA, Southwest **Gibson County** Ft Branch to Haubstadt 0 0 Flash Flood A stationary thunderstorm over southern Gibson County produced locally very heavy rainfall totals. Four to six inches of water with flowing debris was across Haubstadt Road between Fort Branch and Haubstadt. Water was reported over Highway 168. INZ081>082 Gibson - Pike 1300CST Flood 0 Minor flooding of the White River occurred. At both Petersburg and Hazleton, where flood stage is 16 feet, the river crested at 18.2 feet on June 23. This resulted in flooding of low-lying fields and bottomlands. A few local county roads were closed INZ081-085 Gibson - Posey Minor flooding of the Wabash River occurred. At Mount Carmel, where flood stage is 19 feet, the river crested at 22.15 feet on June 24. At New Harmony, where flood stage is 15 feet, the river crested at 16.26 feet on June 25. This resulted in flooding of low-lying fields and bottomlands near the river. Several local river roads were flooded, including a street in East Mount Carmel. Oil well production was halted, except for some wells on substructures. A flood gate was installed at Mount Carmel. **KENTUCKY**, Southwest KYZ014-018>019 Union - Henderson - Daviess 0000CST Flood 01 Flooding of the Ohio River continued from late May into early June. At J.T. Myers Lock and Dam near Uniontown, the river crested at 42.3 feet on June 6. This was several feet over the 37-foot flood stage. Flooding of low-lying areas and bottomlands near the river occurred. Several thousand acres of cropland were inundated, mainly in Henderson County. Since crops were planted, some farmers experienced major losses. Crop damage estimates are contained in the May Storm Data report. A few roads near the river were flooded, mainly secondary access roads. KYZ020>021 Mclean - Muhlenberg 0000CST 1200CST Flood 0 0 01 07 Minor flooding of the Green River continued from late May into early June. At the Paradise Fossil Plant in Muhlenberg County, the river crested about four feet above flood stage on June 2. At Calhoun, the river crested one foot above the flood stage of 23 feet on June 4. This resulted in minor flooding of low-lying fields and bottomlands near the river. **Union County** 12 W Morganfield 01 1640CST 0 0 Hail(0.75) **Henderson County** Zion 01 1723CST Hail(1.00) **Muhlenberg County** Graham 01 1730CST Hail(0.75) **Union County** 7 W Morganfield 1830CST Hail(1.75) 01

Golf-ball size hail fell at "Grove Center," between Morganfield and Shawneetown, Illinois.

1 W Sebree 01 1900CST 0 0 Hail(0.88)





		Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage			June 2004
T	D-4-	0. 1 1		(Yards)					Cl C C+	
Location	Date	Standard	(Miles)	(Yaras)	Killed	Injured	Property	Crops	Character of Storm	

KENTUCKY, Southwest

Webster County 3 SE Dixon	01	1912CST	0	0	Funnel Cloud
Hopkins County Nebo	01	1917CST	0	0	Funnel Cloud
Daviess County Moseleyville to West Louisville	01	1919CST	0	0	Thunderstorm Wind (EG50)

A couple of trees were blown down in the Moseleyville and West Louisville area

Hopkins County
.6 W Hanson to
.3 SE Hanson

01 1926CST 0.9 50 0 0 Tornado (F0) 1930CST



This is one of several photos of the weak tornado near Hanson.

The weak tornado, with peak winds near 60 MPH, was well-photographed and videotaped. The tornado touched down in the vicinity of Highways 260 and 1069 and lifted as it crossed the Pennyrile Parkway. No damage could be located by witnesses or by National Weather Service personnel who surveyed the area.

2 E Calhoun	01	1938CST	0	0	Funnel Cloud
Union County 9 SW Morganfield	01 Trees	1957CST were down across Kentucky Highway 1	0 09 near Highway	0 130	Thunderstorm Wind (EG50)
Mclean County Calhoun to 3 S Calhoun	01	2120CST 2126CST	0	0	Hail(0.75)

Multiple severe thunderstorms moved across the Pennyrile region of western Kentucky during the early evening. The most significant severe storms moved across the Ohio River from Gallatin County, Illinois and through Union, Webster, and Hopkins Counties. One of these storms exhibited strong rotation as it moved across all three of these counties, producing a well-defined wall cloud and occasionally a funnel cloud. A funnel cloud briefly touched ground north of Madisonville in Hopkins County. Otherwise, the main result of the severe storms was isolated large hail, up to golf-ball size in western Union County.





Time Path Path Number of Estimated Date Cocation Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

KENTUCKY, Southwest

Hickman County						
3 W Fulham to Fulham	09	1440CST	0	0	2K	Thunderstorm Wind (EG50)
		st a couple of trees were blown down near I own at a residence in Fulgham.	Fulgham. One	e tree land	ed on fuel tank	ss at a chicken farm west of town, and another
Caldwell County						
Princeton	12	1125CST	0	0	5K	Thunderstorm Wind (EG50)
	A larg	e tree fell on a vehicle. Large tree limbs we	ere down also			
Ballard County						
1 SE Wickliffe	12	1600CST	0	0		Thunderstorm Wind (EG50)
	Trees	and limbs were down on Highway 121 just	outside of W	ickliffe.		
Carlisle County						
Arlington	12	1601CST	0	0	3K	Thunderstorm Wind (EG50)
6	Power	lines were down.				
Mccracken County						
1 NE West Paducah to Paducah	13	1005CST 1010CST	0	0	100K	Thunderstorm Wind (EG65)

A microburst with winds up to 75 MPH affected an area on the west side of Paducah 1.8 miles long and 0.7 mile wide. The damage path was entirely along Kentucky Highway 305, beginning about 2 miles west of Interstate 24 and ending about 100 yards west of exit 3 on the interstate. Small sheds and outbuildings were destroyed, siding and roofs were damaged, and trees were uprooted or snapped. A pontoon boat was blown into a motor home, damaging both. A flatbed trailer was extensively damaged by a tree that fell on it. Three utility poles were broken, and 10 spans of wire between poles were knocked down by trees. Kentucky Highway 305 and a set of railroad tracks were closed due to trees and power lines down.

Hickman County						
Countywide	15	1948CST 2100CST	0	0	25K	Flash Flood
Carlisle County						
Cunningham to Arlington	15	2045CST 2230CST	0	0	5K	Flash Flood
Mccracken County						
South Central Portion	15 16	2130CST 0215CST	0	0	6K	Flash Flood
Graves County						
Countywide	16	0016CST 0210CST	0	0	40K	Flash Flood

A thunderstorm with torrential rain moved slowly north from Hickman County across Carlisle County. Rainfall rates were estimated close to two inches per hour, with an unofficial report of one inch in 20 minutes. Several roads were barricaded in northern Hickman County, including U.S. Highway 51 north of Clinton. Part of a railroad trestle was washed away onto a city street. A resident was trapped in a house in Spring Hill and had to be evacuated. In Carlisle County, Highway 80 was closed at Arlington due to high water, and Highway 1628 was closed in Cunningham due to flooding of Wilson Creek. Many other roads were covered by water. In McCracken County, water was reported over many roads on the south and west sides of Paducah, and two intersections were closed. Three vehicles became stranded in high water on Hansen Road on the west side of Paducah. In Mayfield in Graves County, several roads were impassable, and a couple of homes were evacuated. The homes were evacuated due to significant flooding of Red Duck Creek. Firefighters from three volunteer departments across Graves County helped Mayfield officials manage the flooding situation along Red Duck Creek. Heavy-duty military surplus vehicles were used to travel through floodwaters to check on residents. Unofficial rainfall totals from local rain gages showed 3.5 to 5 inches of rain. Elsewhere in Graves County, about 6 to 8 inches of water covered Highway 121 south of Mayfield. Swiftly moving water eroded stream and creek banks, causing trees to fall across a few roads.





June 2004 Time Local/ Path Length Path Number of Estimated Persons Width Damage **KENTUCKY**, Southwest **Trigg County** Canton to Rockcastle 18 1855CST 0 0 Thunderstorm Wind (EG50) Trees were blown down on Highway 274 near Rockcastle. Four trees from 6 to 8 inches in diameter were blown down in Canton. **Mccracken County** 1900CST 2K Thunderstorm Wind (EG50) Paducah to 18 Lone Oak A few trees and wires were blown down on the west side of Paducah and in Lone Oak. The storm that caused the tree damage originated in southeast Missouri, crossed southwest Illinois, and weakened shortly after crossing the Ohio River into the Paducah area. Mccracken County 1902CST 2100CST **Paducah** 18 0 Flash Flood Numerous streets were flooded in Paducah as slow-moving thunderstorms dumped heavy rain. MISSOURI, Southeast MOZ076-087-111 Perry - Cape Girardeau - Scott 0000CST 1700CST 0 Flood Minor flooding of the Mississippi River continued from late May into early June. At Cape Girardeau, where flood stage is 32 feet, the river crested at 33.9 feet on June 6. This resulted in flooding of low-lying fields and bottomlands near the river. **Ripley County** 4 NW Doniphan to 8 NE Doniphan 12 1303CST Thunderstorm Wind (EG52) Trees were damaged on Y Highway at the Float Camp Recreation Area. Trees were down in the campground, including one tree on a tent. Northeast of Doniphan, tree limbs up to 6 inches in diameter were down on K Highway. Several trees were down in the city of Doniphan. **Carter County** 1 E Grandin 1400CST Thunderstorm Wind (EG52) Numerous trees were blown down. **Butler County** 8K Countywide Thunderstorm Wind (EG50) Trees were down at a number of locations in the county, including U.S. Highway 60 west of Poplar Bluff, U.S. Highway 67 north of Poplar Bluff, and in the community of Coon Island (east of Neelyville). Grandstand bleachers were blown over at a speedway off Business Loop 60. In Poplar Bluff, several trees and power lines were blown down. One of the downed power lines sparked a house fire. Elsewhere in the county, several roadways were blocked by fallen trees. **Wavne County** 4 SE Williamsville to 0 7K Thunderstorm Wind (EG50) Wappapello Many trees and power lines were down in the southeast corner of Wayne County, including Wappapello State Park and the Wappapello Dam area. Two houses received minor damage. Trees were down on U.S. Highway 67 and Missouri Highway 172 within a few miles of the Butler County line. Stoddard County Acorn Ridge 1450CST 0 Thunderstorm Wind (EG50) Several trees were blown down. **Bollinger County** Arab 12 1456CST 0 0 Thunderstorm Wind (EG50)

Trees were down on Highway 51 North.





Time Path Path Number of Estimated Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

MISSOURI, Southeast

Cape Girardeau County

Gordonville to 12 1600CST 0 0 Thunderstorm Wind (EG52) Jackson

Lots of tree damage was reported along Highway 25 from Gordonville to Jackson.

Perry County

Perryville 18 1549CST 0 0 5K Thunderstorm Wind (EG52)

Two ten-by-twelve foot sections of metal flashing were torn off a building. Gutters were damaged. A number of trees were uprooted,

including a tree that fell on a mobile home on the northwest side of Perryville.