



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1998

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, South Central

Orange County

Paoli	08	0700EST			0	0			Hail(0.75)
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Orange County

Orleans	08	0730EST			0	0			Hail(0.75)
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Dispatch reported dime size hail at Paoli and later Orleans.

INZ079

Jefferson

16		0900EST			0	0			Flood
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17		0500EST							
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Heavy rain caused minor flooding along the Muscatatuck River at Deputy. The river crested at 15.1 feet (flood stage is 20 feet) at 4 pm est on April 16. The flooding caused a few counties roads to be water covered.

INZ089

Perry

24		1100EST			0	0			Flood
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26		0400EST							
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The Ohio River at Tell City, Indiana had minor flooding along low lying areas and agricultural bottomland. The river crested at 39.4 feet (flood stage is 38 feet) at 4 pm est on April 25.

KENTUCKY, Central

Simpson County

Hillsdale	08	0230EST			0	0			Thunderstorm Wind (50)
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Dispatch reported large trees down.

Grayson County

Leitchfield	08	1245EST			0	0			Hail(0.75)
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Ohio County

Hartford	08	1245EST			0	0			Hail(0.75)
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Jefferson County

Fairmount to Anchorage	08	1405EST 1420EST			0	0			Hail(0.75)
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Spencer County

Taylorsville	08	1410EST			0	0			Hail(0.75)
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Franklin County

Frankfort	08	1425EST			0	0			Hail(0.75)
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Dime size hail was reported at many locations by HAM radio operators, media, spotters, DES and other emergency officials. Also, NWS employees viewed the hail storm as it moved through with many of the hail stones measuring dime size or slightly larger.

Breckinridge County

Mc Daniels	08	1315EST			0	0	10K		Thunderstorm Wind (50)
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DES reported part of a roof collapsed on a school. No one was injured.

Bullitt County

Shepherdsville	08	1345EST			0	0			Thunderstorm Wind (50)
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Dispatch reported trees and power lines down just south of Shepherdsville.

Hardin County

Elizabeth Town to Elizabethtown	08	1350EST			0	0			Thunderstorm Wind (50)
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Dispatch reported trees and power lines down.

Grayson County

Leitchfield	15	1005EST 1015EST			0	0			Hail(1.50)
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1 1/2 inch hail reported by spotter.



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					Killed	Injured	Property	Crops	
<u>KENTUCKY, Central</u>									
Hart County									
Bonnieville	15	1030EST			0	0			Hail(1.00)
Quarter size hail reported at Bonnieville.									
Marion County									
Jessietown	15	1115EST			0	0			Hail(1.00)
Taylor County									
Finley	15	1115EST			0	0			Hail(1.00)
DES reported quarter size hail at Jessietown and Finley.									
Nelson County									
Coxs Creek	16	0400EST			0	0	10K		Thunderstorm Wind (60)
Several roofs blown off houses and numerous trees down. Report relayed from local television station									
Trimble County									
Bedford	16	0500EST 0700EST			0	0			Flash Flood
1-2 inches of rain fell over a short period of time, and DES reported 3 feet of water over Highway 421 3 1/2 miles south of Bedford and across Highway 754 5 miles north of Bedford where one car was partially submerged.									
Fayette County									
Lexington	16	0525EST			0	0			Thunderstorm Wind (50)
Power lines down along the Airport. Also, numerous trees were down across Highway 60. Report from state police.									
Logan County									
Lewisburg to 16 E Lewisburg	16	1525EST 1543EST			0	0			Hail(2.75)
Warren County									
10 W Bowling Green to 16 E Bowling Green	16	1543EST 1614EST			0	0	510M		Hail(2.75)
A large classic supercell thunderstorm moved from northern Logan county through central parts of Warren, Barren and Metcalfe counties and then into western Adair county. A swath of large hail accompanied the storm across Logan and Warren counties and correlated well with maximum KLVX WSR-88D composite reflectivities. Many places along the route of the storm reported baseball size hail. Bowling Green was particularly devastated by the storm with incredible damage to all area car lots, all police cars, homes and Western Kentucky University. Every car dealership and rent-a-car lot had all of their cars totaled. In all, 8,300 homes, 900 mobile homes, 4,000 vehicles, 37 businesses, and 14 apartments sustained major damage. Minor damage was reported to 1,300 homes, 6,000 vehicles, 42 businesses and 4 churches. Most of this damage was attributed to the hail as opposed to the F1 tornado that passed just to the south of Bowling Green. In fact the total damage attributed to hail was estimated at at least 510 million dollars. Several people also received minor injuries from being struck by the hail.									
Logan County									
Chandlers Chapel to 6 E Chandlers Chapel	16	1535EST 1544EST	6	100	0	0	100K		Tornado (F1)
Warren County									
10 SW Bowling Green to 16 SE Bowling Green	16	1544EST 1612EST	15	100	0	0	100K		Tornado (F1)
Allen County									
3 W Meador to 2 E Meador	16	1612EST 1619EST	5	50	0	0	10K		Tornado (F0)
Barren County									
14 SW Glasgow to 10 E Glasgow	16	1619EST 1650EST	22	200	2	9	10M		Tornado (F3)
M67MH, M47OU									



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KENTUCKY, Central

Metcalfe County

Wisdom to 2 E Edmonton	16	1653EST 1705EST	8	100	1	0	5M		Tornado (F2)
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M78PH

Adair County

Portland to 1 NE Pellyton	16	1715EST 1740EST	20	100	0	0	3M		Tornado (F3)
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A series of three tornadoes cut a long path of destruction across south central Kentucky during the late afternoon and early evening of April 16. Three people were killed, two in Barren county and one in Metcalfe, as the tornadoes moved through. A 78 year old man was killed by fallen debris from his house in Wisdom accounting for the Metcalfe county death. In Glasgow of Barren county, a 67 year old man was killed in his mobile home and a 47 year old man was killed by flying debris off his greenhouse. The Glasgow area of Barren county and the Pellyton area of Adair county were hardest hit sustaining F3 damage. In Glasgow, 1 house was destroyed and 45 were badly damaged. 35 mobile homes and 25 barns were also badly damaged or destroyed. Winds were estimated at around 175 mph in the Glasgow area. Another wide area area of severe destruction took place across northern Adair county from around Portland to Pellyton. There, 14 houses were destroyed or received major damage. 3 mobile homes and 27 barns were also destroyed. 146 homes and 50 barns were damaged or destroyed across Barren county, while 30 homes, 84 barns, 2 schools and 8 businesses were damaged or destroyed across Adair county. Metcalfe county also sustained minimal damage to 19 structures, major damage to 43 and destruction to 54. F2 damage was estimated across much of Metcalfe county. Many eyewitnesses across the affected counties reported two smaller sub-vortices within the parent funnels. After reviewing Doppler radar reflectivity patterns and damage patterns, it appears the first tornado moved from northern Logan county to the Barren-Metcalfe county line. Then another formed in the near Wisdom in Metcalfe county before it dissipated 2 miles east of Edmonton. A final tornado from the parent supercell formed near Portland in Adair county and moved 20 miles to Pellyton before also dissipating.

Barren County

Glasgow	16	1625EST 1630EST			0	0			Hail(0.75)
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Dime size hail reported by DES.

Casey County

Dunnville to Liberty	16	1745EST 1800EST			0	0	5M		Thunderstorm Wind (80)
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DES reported an 8 mile path of destruction resulted from severe thunderstorm winds. 16 structures received major damage, while 35 received minor damage. Losses were estimated at 5 million dollars.

Lincoln County

Waynesburg	16	1813EST			0	0			Hail(0.75)
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Dime size hail reported by DES.

Barren County

Various	16	1900EST 2000EST			0	0			Flash Flood
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Metcalfe County

Various	16	1900EST 2000EST			0	0			Flash Flood
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Warren County

Various	16	1900EST 2000EST			0	0			Flash Flood
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3-4 inches of rain fell over a widespread area over only a few hours causing flash flooding at many locations. A few cars were trapped in the high water near Bowling Green as reported by DES.



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KENTUCKY, Central

KYZ023-026-045-061>063 Hancock - Ohio - Nelson - Butler - Edmonson - Hart

17	0600EST	0	0	Flood
26	0800EST			

Significant rainfall caused flooding along the Green, Rough and Ohio Rivers and the Rolling Fork of the Salt River. Minor flooding occurred along low-lying county roads and agricultural bottomland. The following are crests and dates: Rolling Fork of the Salt River at Boston: 36.7 feet (flood stage is 35 feet) at 0900 am est on April 18; Dundee along the Rough River: 25.4 feet (flood stage is 25 feet) at 100 pm est on April 17; Munfordville along the Green River: 28.2 feet (flood stage is 28 feet) at 4 pm est on April April 17; Brownsville along the Green River: 19.7 feet (flood stage is 18 feet) at 3 pm est on April 18; Woodbury along the Green River: 36.5 feet (flood stage is 33 feet) at 130 pm est on April 19; Rochester Ferry along the Green River: 19.6 feet (flood sstage is 17 feet) at 1 pm est on April 20; Tell City along the Ohio River: 39.4 feet (flood stage is 38 feet) at 4 pm est on April 25.