



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2004

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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LAKE MICHIGAN

LMZ645 Milwaukee Harbor	North Pt Lt To 13	Wind Pt Wi 1735CST			0	0			Marine Tstm Wind (MG36) A band of scattered strong thunderstorms moved across the lake shore waters of southeast Wisconsin during the late afternoon on the 13th.
LMZ646 Racine	Wind Pt Lt Wi To 21	Winthrop Hbr II 1310CST			0	0			Marine Tstm Wind (MG55) Scattered strong thunderstorms developed over the southeast corner of Wisconsin and moved out over Lake Michigan during the mid-afternoon hours.

WISCONSIN, Southeast

WIZ047-064-069	Green Lake - Jefferson - Rock				0	0	400K		Flood Leftover lowland, river flooding continued into early July on the Fox River in Green Lake County, as well along the lower Rock River from Ft. Atkinson to the Illinois border. This lowland flooding started in late May, 2004 and continued through June, into early July, 2004. The Fox River at Berlin finally went below its 13 foot flood stage at 0700CST on July 9, 2004 (it rose above its flood stage at 2115CST on May 25th). It wasn't until 0700CST on July 17th that the Fox River at Berlin finally receded below bankfull at 12 feet. The Fox River upstream at Princeton fell below its 9.5 feet flood stage at 1015CST on July 1, 2004, and below its bankfull stage of 7.5 feet at 0600CST on July 18th. The Rock River at Ft. Atkinson (Jefferson Co.) fell below its flood stage of 6 feet at 0630CST on July 2, 2004, and below its bankfull stage of 4.5 feet at 1705CST on July 14th. Downstream on the Rock River at Newville, the water level didn't fall below its 10 feet flood stage until 1900CST on July 6th, and below its bankfull level of 9 feet until 0200CST on July 16th. Further downstream, the Rock River at Afton didn't fall below its flood stage of 9 feet until 0830CST on July 8th, and below its bankfull stage of 8 feet until 0700CST on July 15th. Crop losses continued (estimated \$100K in Green Lake and Jefferson counties, and \$200K in Rock County), however, the bulk of the crop damage was logged in the May and June, 2004 monthly StormData publications.
	01 09	0000CST 0700CST							

Green County 1.5 SW Juda to 1.2 SE Juda	06	1938CST 1942CST	2	50	0	0			Tornado (F0) A weak F0 tornado (60 to 70 mph) briefly spun up in southern Green County, south of the Juda area. Specifically, it spun up one-half mile north of the intersection of Burkow Rd and Norton Rd., and ended northwest of the intersection of Geise and Bagley Roads. It traveled northeastward, uprooting trees, and moved a hog shed. Average path width was about 30 yards
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Jefferson County Lake Mills	11	1830CST			0	0			Funnel Cloud
Jefferson County 3.4 SSW Watertown	11	1841CST	0.1	25	0	0			Tornado (F0) A weak F0 tornado (40 to 45 mph) briefly spun up 3.4 miles southwest of Watertown and produced no damage. Specifically, it spun up about one-half mile west of STH 26 in the center of an area bounded by CTH Y, Ebenezer Rd., and High Rd.

Dane County 1.6 SW East Bristol	11	1843CST	0.1	25	0	0			Tornado (F0) A weak F0 tornado (40 to 45 mph) briefly spun up 1.6 miles southwest of East Bristol and produced no damage. Specifically, its estimated spin up location is about one-half mile west-northwest of the intersection of Mueller Rd and Russett Rd.
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WISCONSIN, Southeast

Columbia County

Columbus	11	1850CST			0	0			Funnel Cloud
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Two weak tornadoes and two reports of funnel clouds were reported during the late afternoon of July 11th. A large upper level low positioned in southeast Canada helped to produce scattered showers and thunderstorms. With cold air aloft for the season and sufficient vertical wind shear, a couple of weak tornadoes resulted. No damage was reported with either tornado. Refer to individual tornado reports for details.

Fond Du Lac County

2 S Vandyne	13	1514CST			0	0	15K		Hail(2.00)
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Sheboygan County

5 W Cascade	13	1605CST			0	0			Hail(0.75)
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Sheboygan County

5 W Cascade	13	1605CST			0	0			Thunderstorm Wind (EG52)
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A small cluster of thunderstorms pulsed to severe limits and generated damaging straight-line winds and large hail. Some vehicles were dented by the large hail.

Sauk County

La Valle to North Freedom	16	0753CST 0812CST			0	0	5K		Hail(1.00)
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Sauk County

Rock Spgs	16	0807CST			0	0			Thunderstorm Wind (EG52)
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Sauk County

North Freedom	16	0819CST			0	0	5K		Thunderstorm Wind (EG56)
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Sauk County

Leland	16	0825CST 0828CST			0	0	5K		Hail(1.00)
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Dane County

Belleville	16	0943CST 1143CST			0	0			Thunderstorm Wind (MG58)
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Green County

Dayton	16	0952CST			0	0	5K		Hail(1.00)
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Green County

Dayton	16	0952CST			0	0	5K		Thunderstorm Wind (EG56)
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Waukesha County

Oconomowoc	16	1105CST			0	0			Hail(0.75)
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Waukesha County

Delafield	16	1127CST			0	0			Hail(0.75)
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Fond Du Lac County

2 ESE Fond Du Lac	16	1222CST			0	0			Funnel Cloud
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Fond Du Lac County

Fond Du Lac	16	1234CST			0	0			Hail(0.75)
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Marquette County

7 SE Endeavor	16	1315CST			0	0	1K		Thunderstorm Wind (EG61)
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Columbia County

3.8 NNW Pardeeville to 2 W Wyocena	16	1325CST 1335CST			0	0	5K		Thunderstorm Wind (EG65)
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Ozaukee County

Belgium	16	1325CST			0	0	5K		Thunderstorm Wind (EG56)
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Dodge County

4 NE Iron Ridge	16	1326CST			0	0			Funnel Cloud
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WISCONSIN, Southeast

Washington County

Allenton	16	1329CST			0	0			Funnel Cloud
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Columbia County

2.6 SW Wyocena to 5.5 NE Poynette	16	1340CST 1342CST	0.5	30	0	0	1K	20K	Tornado (F0)
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A weak F0 tornado (60 to 70 mph) spun up 2.6 miles southwest of Wyocena and traveled south-southeast for about one-half mile to a point about 5.5 miles northeast of Poynette. Specifically, it spun up about 0.4 mile north of the intersection of Phillips Rd. and Langdon Rd., and ended about 0.3 mile southeast of the same intersection. Trees were uprooted and crops were damaged. Some lawn furniture and other personal belongings were damaged.

Columbia County

3.5 NE Dekorra to 1.3 N Poynette	16	1420CST 1425CST			0	0			Thunderstorm Wind (EG56)
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Milwaukee County

.2 N Milwaukee Mitchell	16	1434CST			0	0			Thunderstorm Wind (EG50)
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Sauk County

Merrimac	16	1435CST			0	0	5K		Hail(0.88)
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Dane County

3 NE Madison	16	1441CST			0	0	15K		Hail(1.75)
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Dane County

Madison	16	1441CST			0	0			Thunderstorm Wind (MG56)
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Dane County

4.5 NNE Madison	16	1456CST			0	0			Thunderstorm Wind (EG52)
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Dane County

Middleton to 3 NE Madison	16	1500CST 1700CST			0	0			Heavy Rain
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Scattered showers and thunderstorms developed continuously throughout the day as a surface trough pushed into south-central and southeast Wisconsin. Several of these storms pulsed to severe levels and produced damaging winds and large hail. Trees and power lines were toppled by the powerful winds. In addition, several funnel clouds were reported across Columbia, Jefferson, Dodge, Washington, and Fond du Lac county, and one weak tornado spun up 2.6 miles southwest of Wyocena and dissipated at 5.5 miles northeast of Poynette. Refer to the individual tornado report for more details. Numerous reports of trees damage were noted as a result from damaging winds from Sauk County, to Dane, Columbia, and Marquette counties. More damage resulted when hail pelted cars across parts of Sauk, Dane, Green, and Waukesha counties. Two to three inches of rain fell within a two hour timespan (WSR-88D estimate) resulting in urban flooding in the Middleton to Madison area. Brief water depths of 1 to 3 feet slowed traffic or stalled cars.

Iowa County

4 W Cobb to 4 E Mineral Pt	21	0615CST 0635CST			0	0	50K		Thunderstorm Wind (EG65)
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Dane County

Mt Horeb	21	0705CST			0	0	5K		Thunderstorm Wind (EG52)
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Columbia County

2 W Poynette	21	0735CST			0	0	5K		Thunderstorm Wind (EG52)
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Racine County

Racine	21	1310CST			0	0	10K		Thunderstorm Wind (MG55)
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A weakening complex of thunderstorms moving across southern Wisconsin during the morning hours on the 21st produced damaging winds which downed some trees and power lines in parts of Iowa, Dane, Columbia, and Racine counties