



National Weather Service

Storm Data and Unusual Weather Phenomena



November 2005

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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WISCONSIN, Southeast

WIZ046>047-051-051>052-056>060-062>072 Marquette - Green Lake - Fond Du Lac - Sheboygan - Sauk - Columbia - Dodge - Washington - Ozaukee - Iowa - Dane - Jefferson - Waukesha - Milwaukee - Lafayette - Green - Rock - Walworth - Racine - Kenosha

01	0000CST								
30	2359CST			0	0				Drought

Drought conditions, to varying degrees, continued across south-central and southeast Wisconsin through November, but did show improvement by the end of the month thanks to above normal precipitation. At the start of the month, D0 (abnormally dry) conditions existed north of a line from Dodgeville (Iowa Co.) to Fond du Lac (Fond du Lac Co.). D1 (moderate drought) conditions existed south of this line, while south of a line from Darlington (Lafayette Co.) to Racine (Racine Co.), D2 (severe drought) conditions existed. As the month advanced, the severe drought area retreated to only Racine and Kenosha counties. The tier of counties from Marquette to Sheboygan county dropped entirely from drought conditions by the end of the month, and the northern extent of D1 and D2 conditions retreated southward a bit. For the month, except for Lafayette County, all counties had at least 3 to 4 inches, with a band from Beloit to West Bend to Port Washington receiving 4 to 5 inches. The Whitewater to Dousman area had over 5 inches, while Whitewater had high honors with 5.72 inches of precipitation in November, 2005. One-third to two-thirds of the this month's precipitation fell on November 5th in the form of showers and thunderstorms. Normal November precipitation for southern Wisconsin is 2 to 3 inches.

Waukesha County

.8 NNW Mukwonago	05	1359CST							
				0	0				Hail(0.75)

Waukesha County

1.4 NW Big Bend	05	1402CST							
				0	0				Hail(0.75)

Waukesha County

2.7 WNW Brookfield to .9 NW Brookfield	05	1419CST							
				0	0				Hail(0.75)

Waukesha County

Sussex to Waukesha	05	1915CST 2200CST							
				0	0	10K			Flash Flood

Waukesha County

1.7 N Hartland	05	2000CST							
				0	0	1.1M			Lightning

An out-of-season round of pulse severe storms affected parts of Waukesha County with marginally-severe large hail. The coop observer in Brookfield noted that the ground was covered white with hail. The storms were associated with a warm front which pushed into southern Wisconsin as low pressure moved from Missouri to southern lower Michigan. Additional rounds of showers and thunderstorms, with locally moderate to heavy rains, continued into the evening hours over parts of Waukesha, Jefferson, and Rock Counties. However, the storms dumped larger amounts of rain (2.0 to almost 3.5 inches) in Waukesha County, resulting in flash flooding in the Sussex to Waukesha (city) area. Water depths up to 1 to 2 feet closed Highway 164 in the city of Waukesha, and forced two vehicle roll-overs on I-94 just west of the city of Waukesha that left the vehicles damaged. Also, water up to 1 foot in depth covered Interstate-94 near Pewaukee Rd. Widespread street flooding was reported in the city of Waukesha that caused several vehicles to stall. Fallen leaves plugging storm sewers contributed to the flash flooding. At the Milwaukee TV-6 school network site in Dousman, 3.41 inches of rain was measured. Around an estimated 2000CST, lightning struck a home in the Town of Merton (1.7 miles north of Hartland in Waukesha Co.) just east of Beaver Lake. The resultant fire quickly burned the expensive home to the ground. The 2005 assessed value of the home was \$1,074,000. No one was in the home at the time.

WIZ051>052-057-059>060-066>067-071

Fond Du Lac - Sheboygan - Columbia - Washington - Ozaukee - Milwaukee - Lafayette - Racine

13	0130CST								
	1047CST			0	0	171K			High Wind (MG55)



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WISCONSIN, Southeast

Powerful southwest to west winds gusts up to 55 knots (63 mph) raked parts of south-central and southeast Wisconsin after a cold front had passed through the area. The usual reports of wind-broken tree branches falling on power lines were noted in newspapers. In Sheboygan County, a power outage was reported in Oostburg, and near the city of Sheboygan roof trusses on a new storage building were blown off. Also, in the city of Sheboygan, span-crete was blown off its supports at a high school, knocking down a portion of a wall under construction. It is estimated that monetary damage amounts in Sheboygan County may have reached \$100,000. The estimated power-line damage in each of the other south-central and southeast counties was around \$10,000. In the city of West Bend (Washington Co.), the wind gusts pushed over a basketball hoop which smashed a vehicle's front window. Specific peak wind gusts include 55 knots (63 mph) on the UW-Milwaukee campus (Milwaukee Co.), 54 knots (62 mph) at Madison TV-15's school network site in Lodi (Columbia Co.), 53 knots (61 mph) at Milwaukee TV-6's school network site in Racine (Racine Co.), 52 knots (60 mph) at Madison TV-15's school network site in Darlington (Lafayette Co.), and 51 knots (59 mph) at the following locations - Sheboygan ASOS site near the city of Sheboygan (Sheboygan Co.), Milwaukee TV-6's school network site in Jackson (Washington Co.), and at the home of a severe weather spotter near Taycheedah (Fond du Lac Co.). Otherwise, most of southern Wisconsin had peak gusts in the 39 to 49 knot range (45 to 57 mph).

WIZ046>047-056>057-062-067

Marquette - Green Lake - Sauk - Columbia - Iowa - Lafayette

15	1800CST 2300CST	0	0				Winter Weather/Mix
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The first seasonal, general, snowfall over parts of south-central Wisconsin deposited 1 to 4 inches of snow just west and north of Madison (Dane Co.) during the evening hours. It resulted in scattered icy spots on roads that caused dozens of vehicle accidents. Based on newspaper accounts, many motorists apparently were still practicing their summer driving techniques. Numerous vehicles were reported to be in roadside ditches. The largest snow amount of 4.6 inches was reported from a ham who lives in Oxford (Marquette Co.), while 4 inches was measured in Wisconsin Dells (Columbia Co.) and Loganville (Sauk Co.). This snowfall was associated with a heavy snow event that left 6 to 17.7 inches of snow across parts of northern Wisconsin.

Jefferson County
2 SSE Cold Spg

27	0430CST	0	0	100K		Lightning
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Lightning struck a home in the Town of Cold Spring (Jefferson Co.) between Ft. Atkinson and Whitewater. The resultant fire damaged about 70% of the home, which will likely be a total loss.

WIZ052-059>060-062-064>066

Sheboygan - Washington - Ozaukee - Iowa - Jefferson - Waukesha - Milwaukee

27	1900CST 2359CST	0	0			Dense Fog
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Dense fog developed over parts of south-central and southeast Wisconsin during the evening hours thanks to an on-off rainfall ahead of a cold front. Air temperatures were in the 45 to 50 degree range and surface dewpoints were in the lower 40s, while southeast winds off Lake Michigan enhanced low-level relative humidity. Visibilities dropped to 1/8 to 1/4 mile, resulting in arrival and departures at Milwaukee's Mitchell Field (Milwaukee Co.) and other airports. Motorists had to slow down during their commutes.