

Storm Data and Unusual Weather Phenomena - August 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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NORTH DAKOTA, Central and West

EMMONS COUNTY --- 10.4 S KINTYRE [46.40, -99.95]

08/06/15 07:10 CST		0		Hail (1.00 in)
08/06/15 07:13 CST		0		Source: Public

Thunderstorms moved slowly across south central North Dakota in the morning, with a primary threat of heavy rain. One thunderstorm became severe over Emmons County, producing one inch diameter hail.

DICKEY COUNTY --- 0.8 NW OAKES [46.14, -98.09]

08/06/15 17:25 CST		0		Funnel Cloud
08/06/15 17:30 CST		0		Source: Trained Spotter

Weak showers and thunderstorms developed across parts of southern North Dakota in the afternoon and evening. One of these produced a funnel cloud near Oakes, in Dickey County.

MCINTOSH COUNTY --- 16.8 ESE ASHLEY [45.95, -99.04]

08/07/15 15:45 CST		0		Hail (1.00 in)
08/07/15 15:50 CST		0		Source: Trained Spotter

LA MOURE COUNTY --- 11.7 ESE MARION [46.54, -98.10]

08/07/15 16:45 CST		0		Hail (1.25 in)
08/07/15 16:48 CST		0		Source: Public

DICKEY COUNTY --- 6.5 SSW MONANGO [46.09, -98.65]

08/07/15 16:48 CST		0		Hail (1.00 in)
08/07/15 16:51 CST		0		Source: Trained Spotter

LA MOURE COUNTY --- 0.8 SE LA MOURE [46.34, -98.29]

08/07/15 20:50 CST		0		Hail (0.88 in)
08/07/15 20:52 CST		0		Source: Emergency Manager

Thunderstorms developed along and ahead of a frontal boundary moving through central into eastern North Dakota. Strong instability and marginal deep layer shear was noted over south central North Dakota into the southern James River Valley. A few thunderstorms became severe with large hail. The largest hail fell in LaMoure County, and was the diameter of a half-dollar.

GRANT COUNTY --- 13.8 N ELGIN MUNI ARPT [46.60, -101.81]

08/12/15 15:26 MST		0		Thunderstorm Wind (MG 63 kt)
08/12/15 15:29 MST		0		Source: Trained Spotter

An isolated thunderstorm developed near a surface trough in an area of elevated surface moisture over southwestern North Dakota. The thunderstorm became severe over Grant County and produced a wind gust of 72 mph near Heart Butte Dam.

STUTSMAN COUNTY --- 1.6 ENE SPIRITWOOD [46.94, -98.47]

08/15/15 19:04 CST		0		Thunderstorm Wind (EG 61 kt)
08/15/15 19:09 CST		0		Source: NWS Employee

An off-duty NWS employee driving through the thunderstorm reported that the winds were significantly shaking his vehicle.

A strong thunderstorm developed over Stutsman County ahead of an advancing cold front in an area of very high instability and elevated deep layer shear. The storm became severe over eastern Stutsman County, producing 70 mph wind gusts near Spiritwood.

(ND-Z018) DUNN, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z021) MCLEAN, (ND-Z031) GOLDEN VALLEY, (ND-Z032) BILLINGS, (ND-Z033) STARK, (ND-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z042) GRANT, (ND-Z043) BOWMAN, (ND-Z044) ADAMS, (ND-Z045) SIOUX, (ND-Z046) EMMONS

08/22/15 15:00 CST		10K		High Wind (MAX 61 kt)
08/23/15 02:00 CST		0		

Strong winds developed in the afternoon and evening hours in the wake of a passing cold front. The strongest winds were reported over southwest into parts of central North Dakota where the greatest pressure rises were noted. The highest wind gusts of 70 mph were reported near Hazelton, in Emmons County. This was an anonymously deep mid level low for the time of year.

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