

Storm Data and Unusual Weather Phenomena - October 2023

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

(ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z017) MCKENZIE, (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-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z042) GRANT, (ND-Z043) BOWMAN, (ND-Z044) ADAMS, (ND-Z045) SIOUX, (ND-Z046) EMMONS

10/17/23 16:00 CST	0	High Wind (MAX 73 kt)
10/17/23 19:00 CST	0	

Low pressure passed through the southern prairie provinces of Canada and a trough moved through western and central North Dakota. Winds were already gusty with this system. Rain showers developed along the trough and mixed down even higher winds from aloft. The strongest wind gust of 84 mph occurred near Fryburg in Billings County.

(ND-Z001) DIVIDE, (ND-Z002) BURKE, (ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z013) PIERCE, (ND-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z021) MCLEAN, (ND-Z022) SHERIDAN, (ND-Z023) WELLS, (ND-Z025) FOSTER, (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, (ND-Z047) LOGAN

10/25/23 08:00 CST	0	Heavy Snow
10/27/23 02:00 CST	0	

A complex storm system developed over the region with two features producing snow over North Dakota. Initially, a strong short-wave trough and affiliated cold front pushed into the region with snow developing during the very early morning hours of October 25 over the northern parts of North Dakota, continuing through much of the day. Some locations then experienced a brief break in snowfall before the stronger closed low moved across the Rockies into the Northern Plains bringing widespread snow over much of the region on October 26. The snow then quickly ended from southwest to northeast during the overnight hours of October 26-27. The greatest reported snow amount from this storm was 16 inches, which was reported at both Stanley in Mountrail County and Hebron in Morton County.

(ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z012) MCHENRY, (ND-Z013) PIERCE

10/30/23 14:00 CST	0	Winter Weather
10/30/23 15:00 CST	0	

A clipper system dropped through the region with winds becoming northwest and gusting to 50 mph in the wake of the front. Some bands of snow also moved through the area with this system. Over north central North Dakota, one of these bands of snow combined with the strong winds to produce a snow squall with visibility rapidly dropping to under one-quarter mile as it moved southerly over parts of Bottineau, Rolette, Pierce, and McHenry counties.