

## Storm Data and Unusual Weather Phenomena - March 2024

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

### NORTH DAKOTA, Central and West

---

(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-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z033) STARK

|  |                    |   |  |            |
|--|--------------------|---|--|------------|
|  | 03/02/24 18:00 CST | 0 |  | Heavy Snow |
|  | 03/04/24 01:00 CST | 0 |  |            |

A deep surface low moved from eastern Wyoming through South Dakota into eastern North Dakota as a strong upper level short-wave trough approached the Northern Plains. Snow developed over western and central North Dakota, with the heaviest snow over the northwest and north central parts of the state. The highest reported snow total was 12 inches at Sherwood in Renville County.

---

(ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z009) WILLIAMS, (ND-Z011) WARD

|  |                    |   |  |            |
|--|--------------------|---|--|------------|
|  | 03/06/24 00:00 CST | 0 |  | Heavy Snow |
|  | 03/06/24 17:00 CST | 0 |  |            |

Heavy snow developed over northwest and north central North Dakota as a surface low lifted through western and central North Dakota and an upper level short-wave trough approached from the west. The highest reported snow total of eight inches was in the Williston area of Williams County and fell mainly during the morning hours.

---

(ND-Z009) WILLIAMS, (ND-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z021) MCLEAN, (ND-Z032) BILLINGS, (ND-Z033) STARK, (ND-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z042) GRANT, (ND-Z044) ADAMS, (ND-Z045) SIOUX, (ND-Z046) EMMONS

|  |                    |   |  |            |
|--|--------------------|---|--|------------|
|  | 03/24/24 03:00 CST | 0 |  | Heavy Snow |
|  | 03/24/24 21:00 CST | 0 |  |            |

A strong Colorado Low ejected through the Central Plains and moved towards the Upper Midwest. This placed North Dakota on the northern end of the heavier snow amounts. Surface high pressure in Canada brought drier air into the north central part of the state, limiting snow amounts there. Most of western and south central North Dakota received six or seven inches of snow. The highest amount, eight inches, fell at Golden Valley in Mercer County.