

Storm Data and Unusual Weather Phenomena - March 2018

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

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| (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-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z037) STUTSMAN, (ND-Z046) EMMONS, (ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z050) MCINTOSH, (ND-Z051) DICKEY | | | | |
| | 03/05/18 00:00 CST | | 0 | Heavy Snow |
| | 03/06/18 08:00 CST | | 0 | |

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| (ND-Z031) GOLDEN VALLEY, (ND-Z032) BILLINGS, (ND-Z033) STARK, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z042) GRANT, (ND-Z043) BOWMAN, (ND-Z044) ADAMS, (ND-Z045) SIOUX | | | | |
| | 03/05/18 11:00 CST | | 0 | Blizzard |
| | 03/05/18 19:00 CST | | 0 | |

A deep low pressure system lifted across the Northern Plains into the upper Midwest while an inverted surface trough passed over North Dakota. Widespread snow developed over the region, with the heaviest snow noted over the southern James River Valley. Over southwest North Dakota, strong winds developed in a tight pressure gradient which led to widespread blowing snow and blizzard conditions.

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| (ND-Z001) DIVIDE, (ND-Z002) BURKE, (ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z018) DUNN, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z021) MCLEAN, (ND-Z034) MORTON | | | | |
| | 03/23/18 04:00 CST | | 0 | Heavy Snow |
| | 03/23/18 19:00 CST | | 0 | |

A deep upper level trough pushed over the Rockies as a potent short wave ejected over the Northern Plains. Precipitation developed over North Dakota, with many areas experiencing a rain/snow mix. The heaviest snow fell over western and portions of north central North Dakota.

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| (ND-Z023) WELLS, (ND-Z025) FOSTER, (ND-Z037) STUTSMAN | | | | |
| | 03/30/18 16:00 CST | | 0 | Heavy Snow |
| | 03/31/18 02:00 CST | | 0 | |

A strong upper level short wave trough moved through the region as a surface low developed over eastern Montana into western North Dakota. This led to snow developing across much of northwest and central North Dakota. The heaviest snow of around eight inches fell over the upper James River Valley.