

Storm Data and Unusual Weather Phenomena - June 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
STARK COUNTY --- 1.2 SW GLADSTONE [46.86, -102.57]				
	06/02/16 15:05 MST	0		Hail (1.00 in)
	06/02/16 15:09 MST	0		Source: Trained Spotter
STARK COUNTY --- GLADSTONE [46.87, -102.55]				
	06/02/16 15:14 MST	0		Thunderstorm Wind (MG 59 kt)
	06/02/16 15:16 MST	0		Source: Mesonet
WARD COUNTY --- 9.7 N MAKOTI [48.11, -101.81]				
	06/02/16 17:50 CST	0		Hail (0.75 in)
	06/02/16 17:53 CST	0		Source: COOP Observer
<p>A weak short wave trough moved into the Northern Plains while a warm front lifted northward into southern North Dakota. A north to south oriented line of thunderstorms developed and moved across western and central North Dakota. One storm became severe in Stark County producing one inch diameter hail and 68 mph wind gusts.</p>				
DIVIDE COUNTY --- 1.5 WSW FORTUNA [48.91, -103.73]				
	06/09/16 15:05 CST	0		Hail (1.25 in)
	06/09/16 15:07 CST	0		Source: Storm Chaser
WILLIAMS COUNTY --- 1.7 NNE (ISN)SLOULIN FLD WIL [48.20, -103.63]				
	06/09/16 15:10 CST	0		Hail (1.00 in)
	06/09/16 15:13 CST	0		Source: Emergency Manager
DIVIDE COUNTY --- 4.3 WSW CROSBY MUNI ARPT [48.91, -103.39]				
	06/09/16 15:20 CST	0		Hail (1.00 in)
	06/09/16 15:22 CST	0		Source: Law Enforcement
DIVIDE COUNTY --- 1.1 SW CROSBY [48.91, -103.30]				
	06/09/16 15:26 CST	0	0.25M	Thunderstorm Wind (EG 61 kt)
	06/09/16 15:29 CST	0	0.10M	Source: Emergency Manager
<p>Emergency management reported that the strong winds combined with large hail of 1.5 inches in diameter to cause damage from about three miles west of Crosby to three miles east of Crosby. Vinyl siding was peeled off the west side of homes, windows were broken, and vehicles were damaged.</p>				
BURKE COUNTY --- 4.3 ESE NORTHGATE [48.96, -102.18]				
	06/09/16 16:30 CST	0		Hail (0.88 in)
	06/09/16 16:33 CST	0		Source: Storm Chaser
RENVILLE COUNTY --- 15.4 W SHERWOOD [48.96, -101.96]				
	06/09/16 16:30 CST	0		Hail (0.88 in)
	06/09/16 16:32 CST	0		Source: Storm Chaser
BURKE COUNTY --- BOWBELLS [48.80, -102.25]				
	06/09/16 16:31 CST	0		Hail (0.88 in)
	06/09/16 16:33 CST	0		Source: Emergency Manager
STARK COUNTY --- 7.6 S (DIK)DICKINSON MUNI [46.69, -102.79]				
	06/09/16 17:16 MST	0		Hail (1.00 in)
	06/09/16 17:18 MST	0		Source: Public
ADAMS COUNTY --- 4.8 SW BUCYRUS [46.02, -102.85]				
	06/09/16 17:45 MST	0		Hail (1.00 in)
	06/09/16 17:47 MST	0		Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BOTTINEAU COUNTY --- 11.9 NNE BOTTINEAU ARPT [48.99, -100.32]				
	06/09/16 19:05 CST		0	Hail (1.00 in)
	06/09/16 19:08 CST		0	Source: Public
HETTINGER COUNTY --- 12.6 NE REGENT [46.57, -102.40]				
	06/09/16 19:10 MST		0	Hail (1.00 in)
	06/09/16 19:13 MST		0	Source: Trained Spotter
GOLDEN VALLEY COUNTY --- BEACH [46.92, -104.00]				
	06/09/16 19:15 MST		0	Thunderstorm Wind (MG 53 kt)
	06/09/16 19:17 MST		0	Source: ASOS
WILLIAMS COUNTY --- 2.8 WSW RAY [48.34, -103.23]				
	06/09/16 19:55 CST		0	Thunderstorm Wind (MG 50 kt)
	06/09/16 19:57 CST		0	Source: Emergency Manager
WILLIAMS COUNTY --- 0.5 W TIOGA [48.40, -102.94]				
	06/09/16 20:06 CST		0	Thunderstorm Wind (EG 61 kt)
	06/09/16 20:08 CST		0	Source: Emergency Manager
Wind gust speed was estimated by the Williams County Emergency Manager.				
BILLINGS COUNTY --- 12.0 WSW FAIRFIELD [47.12, -103.46]				
	06/09/16 20:15 MST		0	Hail (0.88 in)
	06/09/16 20:17 MST		0	Source: Public
WILLIAMS COUNTY --- 0.5 W TIOGA [48.40, -102.94]				
	06/09/16 20:17 CST		0	Hail (1.00 in)
	06/09/16 20:19 CST		0	Source: Emergency Manager
MOUNTRAIL COUNTY --- 0.9 W STANLEY MUNI ARPT [48.30, -102.42]				
	06/09/16 20:35 CST		0	Thunderstorm Wind (EG 52 kt)
	06/09/16 20:37 CST		0	Source: Public
Wind speed was estimated by the public.				
DUNN COUNTY --- 3.1 WNW MANNING [47.25, -102.83]				
	06/09/16 20:40 MST		0	Thunderstorm Wind (EG 52 kt)
	06/09/16 20:42 MST		0	Source: Public
Wind speed was estimated by the public.				
MOUNTRAIL COUNTY --- 3.7 SSE LOSTWOOD [48.43, -102.39]				
	06/09/16 20:40 CST		8K	Thunderstorm Wind (EG 65 kt)
	06/09/16 20:42 CST		0	Source: Trained Spotter
A trained spotter reported that two power poles were down.				
MOUNTRAIL COUNTY --- 2.4 ESE PALERMO [48.32, -102.17]				
	06/09/16 20:55 CST		0	Hail (1.75 in)
	06/09/16 20:58 CST		0	Source: Law Enforcement
MOUNTRAIL COUNTY --- 0.8 NNW BLAISDELL [48.34, -102.08]				
	06/09/16 21:00 CST		0	Hail (1.00 in)
	06/09/16 21:03 CST		0	Source: Law Enforcement
RENVILLE COUNTY --- 0.5 W TOLLEY [48.73, -101.83]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/09/16 21:15 CST		40K	Thunderstorm Wind (EG 61 kt)
	06/09/16 21:18 CST		20K	Source: Fire Department/Rescue
Power lines were down along with tree limbs. One-third of the city of Tolley was without power following the storm.				
MOUNTRAIL COUNTY --- 6.2 S PALERMO [48.24, -102.23]				
	06/09/16 21:25 CST		0	Hail (1.00 in)
	06/09/16 21:28 CST		0	Source: Trained Spotter
MOUNTRAIL COUNTY --- 0.5 E PLAZA [48.03, -101.96]				
	06/09/16 21:33 CST		0	Thunderstorm Wind (MG 52 kt)
	06/09/16 21:36 CST		0	Source: Trained Spotter
BOTTINEAU COUNTY --- 0.5 W LANSFORD [48.63, -101.38]				
	06/09/16 21:40 CST		5M	Thunderstorm Wind (EG 87 kt)
	06/09/16 21:50 CST		0.25M	Source: Emergency Manager
Widespread damage occurred in the city of Lansford. A mobile home sustained substantial damage as the roof and part of the wall structure were removed. Permanent homes had roof damage and broken windows. The grain elevator sustained an estimated three to four million dollars in damages as the primary structure along with multiple grain bins, some containing grain, were damaged or destroyed. Tree damage was widespread and extensive, as many very large trees were uprooted or snapped. Winds throughout northwest into north central North Dakota were as high as 70 mph, with winds estimated as high as 100 mph around Lansford. The event at Lansford may have been a microburst, leading to the higher winds and more extensive damage. No injuries or deaths were reported.				
WARD COUNTY --- 1.1 SE (MIB)MINOT AFB [48.42, -101.35]				
	06/09/16 21:47 CST		0	Thunderstorm Wind (MG 73 kt)
	06/09/16 21:49 CST		0	Source: ASOS
WARD COUNTY --- 0.8 SSW (MOT)MINOT INTL ARPT [48.26, -101.29]				
	06/09/16 21:56 CST		0	Thunderstorm Wind (MG 52 kt)
	06/09/16 21:58 CST		0	Source: ASOS
MCHENRY COUNTY --- DEERING [48.40, -101.05]				
	06/09/16 22:05 CST		0.25M	Thunderstorm Wind (EG 70 kt)
	06/09/16 22:10 CST		50K	Source: Law Enforcement
Widespread damage occurred in Deering, with shingles torn off many roofs and some brick chimneys damaged. Multiple trees blew down and a ten-thousand bushel anchored grain bin blew over.				
WARD COUNTY --- 0.9 W MINOT [48.23, -101.30]				
	06/09/16 22:20 CST		0	Hail (1.00 in)
	06/09/16 22:23 CST		0	Source: Public
MCCLEAN COUNTY --- 0.9 W GARRISON [47.65, -101.44]				
	06/09/16 22:51 CST		0	Thunderstorm Wind (MG 50 kt)
	06/09/16 22:54 CST		0	Source: ASOS
PIERCE COUNTY --- 0.9 W RUGBY [48.37, -100.00]				
	06/09/16 22:55 CST		0	Thunderstorm Wind (MG 62 kt)
	06/09/16 22:57 CST		0	Source: Broadcast Media
ROLETTE COUNTY --- 2.3 NNW ROLLA [48.88, -99.62]				
	06/09/16 23:35 CST		0	Thunderstorm Wind (MG 52 kt)
	06/09/16 23:37 CST		0	Source: AWOS
SHERIDAN COUNTY --- 1.2 NE DENHOFF [47.49, -100.25]				
	06/09/16 23:59 CST		0	Thunderstorm Wind (MG 69 kt)
	06/10/16 00:01 CST		0	Source: Mesonet

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WELLS COUNTY --- 0.5 W CATHAY [47.55, -99.41]				
	06/10/16 00:32 CST		0	Thunderstorm Wind (MG 54 kt)
	06/10/16 00:34 CST		0	Source: Public
FOSTER COUNTY --- CARRINGTON ARPT [47.45, -99.15]				
	06/10/16 00:55 CST		0	Thunderstorm Wind (MG 53 kt)
	06/10/16 00:57 CST		0	Source: AWOS
FOSTER COUNTY --- 2.8 W MC HENRY [47.58, -98.66]				
	06/10/16 01:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/10/16 01:17 CST		0	Source: COOP Observer
A COOP Observer reported that some tree branches were down due to the thunderstorm wind gusts.				
<p>Initial thunderstorms developed along a surface trough over northwest North Dakota and moved eastward through northern North Dakota during the afternoon of June 9, producing the first round of severe winds and hail. A more organized complex of severe thunderstorms developed in the evening and overnight hours of June 9, and continued into the early morning of June 10, as a well defined shortwave trough pushed into the region. Extensive damage occurred over parts of far northern North Dakota, particularly in Bottineau County. Wind gusts to around 100 mph in the city of Lansford caused extensive damage to the grain elevator and multiple portable and permanent structures. The largest hail reported was 1.75 inch diameter, and occurred in Divide and Mountrail counties.</p>				
MCLEAN COUNTY --- 6.2 S ROSEGLLEN [47.66, -101.84]				
	06/11/16 06:30 CST		0.15M	Thunderstorm Wind (EG 65 kt)
	06/11/16 06:35 CST		0	Source: Broadcast Media
A mobile home rolled onto its side. Other mobile homes in the area were also damaged.				
MCLEAN COUNTY --- 9.8 N EMMET [47.79, -101.61]				
	06/11/16 06:35 CST		0	Thunderstorm Wind (MG 57 kt)
	06/11/16 06:41 CST		0	Source: Mesonet
MCLEAN COUNTY --- 0.9 W GARRISON [47.65, -101.44]				
	06/11/16 06:49 CST		0	Thunderstorm Wind (MG 53 kt)
	06/11/16 06:52 CST		0	Source: ASOS
Thunderstorms developed on the northern edge of a low level jet in modest instability and strong deep layer shear. One storm became severe and produced damaging straight line winds with gusts to around 65 mph as it moved through McLean County.				
BILLINGS COUNTY --- 0.7 N FAIRFIELD [47.19, -103.22]				
	06/11/16 21:50 MST		0	Hail (0.88 in)
	06/11/16 21:55 MST		0	Source: CoCoRaHS
MCLEAN COUNTY --- MAX [47.82, -101.30]				
	06/12/16 00:10 CST		0	Hail (0.75 in)
	06/12/16 00:13 CST		0	Source: Other Federal Agency
KIDDER COUNTY --- 3.1 ENE STEELE [46.87, -99.84]				
	06/12/16 06:35 CST		0	Hail (0.88 in)
	06/12/16 06:38 CST		0	Source: Trained Spotter
A surface low deepened over southeast Montana into northeast Wyoming as a warm front lifted into the area where strong instability and enhanced deep layer shear were noted. Sub-severe storms developed over the area, with reported hail the size of a nickel or less.				
GOLDEN VALLEY COUNTY --- 0.9 E BEACH [46.92, -103.98]				
	06/13/16 14:20 MST		0	Thunderstorm Wind (MG 52 kt)
	06/13/16 14:23 MST		0	Source: AWOS
GOLDEN VALLEY COUNTY --- 1.7 NE BEACH MUNI ARPT [46.95, -104.00]				
	06/13/16 14:20 MST		0	Hail (1.00 in)
	06/13/16 14:30 MST		0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GOLDEN VALLEY COUNTY --- BEACH [46.92, -104.00]				
	06/13/16 14:25 MST		0	Thunderstorm Wind (MG 52 kt)
	06/13/16 14:28 MST		0	Source: Trained Spotter
GOLDEN VALLEY COUNTY --- 2.1 NNW SENTINEL BUTTE [46.95, -103.84]				
	06/13/16 14:45 MST		0	Thunderstorm Wind (EG 52 kt)
	06/13/16 14:48 MST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
An isolated severe thunderstorm produced one-inch diameter hail and 60 mph wind gusts over Golden Valley County where strong instability and modest deep layer shear were noted.				
MORTON COUNTY --- 6.3 WSW MANDAN MUNI ARPT [46.73, -101.02]				
	06/16/16 20:20 CST		0	Hail (0.88 in)
	06/16/16 20:23 CST		0	Source: Public
MORTON COUNTY --- 8.0 SE FLASHER [46.37, -101.11]				
	06/16/16 21:00 CST		0	Hail (1.00 in)
	06/16/16 21:03 CST		0	Source: Public
MORTON COUNTY --- 6.7 SW BREIEN [46.32, -101.04]				
	06/16/16 22:00 CST		0	Hail (1.75 in)
	06/16/16 22:03 CST		0	Source: Public
SLOPE COUNTY --- 17.1 WNW AMIDON [46.58, -103.65]				
	06/16/16 23:15 MST		0	Hail (1.75 in)
	06/16/16 23:17 MST		0	Source: Public
STARK COUNTY --- 0.5 W (DIK)DICKINSON MUNI [46.80, -102.81]				
	06/17/16 00:20 MST		0	Thunderstorm Wind (MG 54 kt)
	06/17/16 00:22 MST		0	Source: ASOS
STARK COUNTY --- 0.5 E RICHARDTON [46.88, -102.31]				
	06/17/16 00:50 MST		0	Thunderstorm Wind (MG 56 kt)
	06/17/16 00:53 MST		0	Source: Trained Spotter
HETTINGER COUNTY --- 0.8 SW MOTT [46.37, -102.33]				
	06/17/16 01:00 MST		0	Hail (1.50 in)
	06/17/16 01:03 MST		0	Source: Public
HETTINGER COUNTY --- 6.2 N BURT [46.46, -102.16]				
	06/17/16 01:00 MST		0.25M	Thunderstorm Wind (EG 70 kt)
	06/17/16 01:10 MST		0.10M	Source: Emergency Manager
Damaging winds of 80 mph were accompanied by 2.25 inch diameter hail to cause extensive damage to outbuildings and windows on a farm to the north of Burt. Grain bins were torn off their foundations and thrown into a nearby field . Crops were flattened.				
MORTON COUNTY --- 5.3 NE FLASHER [46.51, -101.16]				
	06/17/16 01:25 CST		0	Hail (1.00 in)
	06/17/16 01:30 CST		0	Source: Trained Spotter
MORTON COUNTY --- 4.9 S ST ANTHONY [46.55, -100.90]				
	06/17/16 01:55 CST		0	Hail (0.75 in)
	06/17/16 01:57 CST		0	Source: Storm Chaser
MORTON COUNTY --- 0.9 W HEBRON [46.90, -102.05]				

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	06/17/16 02:05 CST		0.25M	Hail (1.50 in)
	06/17/16 02:08 CST		50K	Source: Public
The hail combined with gusty winds to cause damage to the windows, siding, and roofs of homes in Hebron.				
MORTON COUNTY --- 2.3 SSW HEBRON [46.87, -102.05]				
	06/17/16 02:05 CST		0.20M	Thunderstorm Wind (EG 65 kt)
	06/17/16 02:09 CST		50K	Source: Public
High winds knocked over grain bins, 18-inch diameter trees, and power lines south of Hebron. The winds combined with hail to cause damage to homes.				
MORTON COUNTY --- GLEN ULLIN [46.82, -101.83]				
	06/17/16 02:20 CST	0		Hail (0.75 in)
	06/17/16 02:24 CST	0		Source: Trained Spotter
MORTON COUNTY --- GLEN ULLIN [46.82, -101.83]				
	06/17/16 02:20 CST	0		Thunderstorm Wind (EG 56 kt)
	06/17/16 02:24 CST	0		Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
MORTON COUNTY --- 2.0 WNW FLASHER [46.46, -101.27]				
	06/17/16 02:41 CST	0		Thunderstorm Wind (MG 61 kt)
	06/17/16 02:44 CST	0		Source: NWS Employee
MORTON COUNTY --- 0.5 E NEW SALEM [46.85, -101.41]				
	06/17/16 02:51 CST	0		Hail (1.00 in)
	06/17/16 02:54 CST	0		Source: Fire Department/Rescue
MORTON COUNTY --- 4.4 NNE FLASHER [46.51, -101.20]				
	06/17/16 03:01 CST	0		Hail (1.00 in)
	06/17/16 03:04 CST	0		Source: Storm Chaser
MORTON COUNTY --- 0.5 E MANDAN [46.83, -100.89]				
	06/17/16 03:21 CST	0		Hail (0.88 in)
	06/17/16 03:25 CST	0		Source: Public
BURLEIGH COUNTY --- 0.5 W (BIS)BISMARCK MUNI A [46.78, -100.76]				
	06/17/16 03:23 CST	0		Thunderstorm Wind (MG 50 kt)
	06/17/16 03:28 CST	0		Source: ASOS
BURLEIGH COUNTY --- 6.0 NNW BISMARCK [46.88, -100.82]				
	06/17/16 03:25 CST	0		Hail (1.50 in)
	06/17/16 03:35 CST	0		Source: COOP Observer
BURLEIGH COUNTY --- 2.7 NW BISMARCK [46.82, -100.81], 8.2 SSE BALDWIN [46.92, -100.70]				
	06/17/16 03:30 CST		50M	Hail (3.25 in)
	06/17/16 03:45 CST		0.25M	Source: Local Official
A severe thunderstorm struck northern portions of the city of Bismarck around 4:30 AM CDT. Large hail combined with strong wind gusts to cause substantial damage. The largest hail with a diameter of 3.25 inches fell near Legacy High School. Winds of 75 mph combined with large hail to cause a swath of substantial damage from along Divide Avenue in north Bismarck to approximately five miles north of the city of Bismarck. Siding, roofs, and windows were damaged on homes. Multiple car dealerships sustained hail damage, which included the largest dealership in the city.				
BURLEIGH COUNTY --- 5.5 S BALDWIN [46.95, -100.78]				
	06/17/16 03:40 CST	0		Hail (1.00 in)
	06/17/16 03:43 CST	0		Source: Official NWS Observations
BURLEIGH COUNTY --- 0.8 SW DRISCOLL [46.84, -100.14]				

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	06/17/16 04:10 CST		50K	Hail (3.00 in)
	06/17/16 04:14 CST		50K	Source: Department of Highways
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BURLEIGH COUNTY --- 2.8 N DRISCOLL [46.89, -100.14]				
	06/17/16 04:10 CST		15K	Hail (2.50 in)
	06/17/16 04:13 CST		20K	Source: Public
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KIDDER COUNTY --- 1.0 W STEELE [46.85, -99.92]				
	06/17/16 04:17 CST	0		Thunderstorm Wind (EG 52 kt)
	06/17/16 04:19 CST	0		Source: Public
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Strong wind gusts estimated by the public.				
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WELLS COUNTY --- 2.9 WNW BREMEN [47.76, -99.43]				
	06/17/16 05:00 CST	0		Hail (1.00 in)
	06/17/16 05:02 CST		25K	Source: Broadcast Media
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FOSTER COUNTY --- CARRINGTON ARPT [47.45, -99.15]				
	06/17/16 05:15 CST		0.10M	Thunderstorm Wind (MG 69 kt)
	06/17/16 05:37 CST		0.10M	Source: AWOS
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Winds gusted over 60 mph for a prolonged period of time, with the strongest gust of 79 mph occurring at approximately 615 am CDT. The strong winds resulted in downed trees and power lines. Pea sized hail accompanied the winds.				
A slow-moving isolated supercell developed in Morton County along a weak cold front during the evening hours in an environment with very strong instability and significant low level moisture. The storm weakened in the late evening as additional storms moved out of southeast Montana into southwest North Dakota. The storms grew into a large bow echo that propagated northeast in a moisture rich environment, with a few supercells developing ahead of the bow. The greatest amount of damage occurred in the Bismarck area of Burleigh County, where very strong wind gusts combined with hail as large as baseballs causing extensive damage to northern portions of the city along with rural locations to the north. The strongest winds were reported in Hettinger County near Bert, where gusts to 80 mph occurred.				
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DIVIDE COUNTY --- 4.9 NW ALKABO [48.91, -103.96]				
	06/18/16 23:05 CST	0		Thunderstorm Wind (MG 53 kt)
	06/18/16 23:08 CST	0		Source: Mesonet
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WARD COUNTY --- 0.9 W MINOT [48.23, -101.30]				
	06/19/16 01:23 CST	0		Hail (1.00 in)
	06/19/16 01:25 CST	0		Source: Broadcast Media
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WILLIAMS COUNTY --- 0.5 W WILLISTON [48.15, -103.63]				
	06/19/16 01:31 CST	0		Hail (0.88 in)
	06/19/16 01:33 CST	0		Source: Emergency Manager
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MCHEMRY COUNTY --- 0.5 W GRANVILLE [48.27, -100.84]				
	06/19/16 01:45 CST	0		Hail (0.88 in)
	06/19/16 01:48 CST	0		Source: Public
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MCHEMRY COUNTY --- 0.5 W DENBIGH [48.32, -100.59]				
	06/19/16 01:55 CST	0		Hail (1.25 in)
	06/19/16 01:58 CST	0		Source: Public
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A cluster of severe storms developed over north central Montana as a short wave moved into the region. The storms continued through northeast Montana and moved into northwest North Dakota late in the evening. Very strong deep layer shear and moderate instability were present. The storms weakened not long after crossing the border, but strengthened again upon approaching north central North Dakota. The strongest wind gusts of 61 mph were reported in northwest Divide County, while the largest hail of 1.25 inches in diameter was reported at Denbigh in McHenry County.				
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BILLINGS COUNTY --- 1.5 SSE MEDORA [46.90, -103.52]				

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	06/21/16 16:41 MST		0	Hail (1.00 in)
	06/21/16 16:43 MST		0	Source: Trained Spotter
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BILLINGS COUNTY --- 15.2 S SULLY SPGS [46.65, -103.40]				
	06/21/16 17:25 MST		0	Hail (1.50 in)
	06/21/16 17:35 MST		0	Source: Public
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SLOPE COUNTY --- 13.2 NE AMIDON [46.62, -103.13]				
	06/21/16 17:55 MST		0	Hail (1.00 in)
	06/21/16 17:57 MST		0	Source: Public
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ADAMS COUNTY --- 0.8 SW HETTINGER [45.99, -102.64]				
	06/21/16 18:15 MST		15K	Hail (3.00 in)
	06/21/16 18:17 MST		20K	Source: Trained Spotter
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HETTINGER COUNTY --- 2.9 WNW NEW ENGLAND [46.54, -102.91]				
	06/21/16 18:15 MST		0	Hail (2.50 in)
	06/21/16 18:18 MST		50K	Source: Storm Chaser
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HETTINGER COUNTY --- 1.2 NW NEW ENGLAND [46.54, -102.87]				
	06/21/16 18:18 MST		20K	Hail (2.75 in)
	06/21/16 18:20 MST		15K	Source: COOP Observer
<hr/>				
DUNN COUNTY --- 7.4 SW DODGE [47.24, -102.33]				
	06/21/16 18:30 MST		0	Hail (1.75 in)
	06/21/16 18:33 MST		0	Source: Trained Spotter
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HETTINGER COUNTY --- 0.5 W REGENT [46.42, -102.56]				
	06/21/16 18:38 MST		0.10M	Hail (2.50 in)
	06/21/16 18:44 MST		25K	Source: Fire Department/Rescue
<hr/>				
Initial hail report was for ping pong ball sized hail, but hail increased to tennis ball sized hail in subsequent report.				
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HETTINGER COUNTY --- 5.2 W REGENT [46.42, -102.66]				
	06/21/16 18:40 MST		0	Hail (2.00 in)
	06/21/16 18:43 MST		20K	Source: Storm Chaser
<hr/>				
MCKENZIE COUNTY --- 6.9 N WATFORD CITY [47.90, -103.28]				
	06/21/16 18:40 MST		15K	Hail (2.75 in)
	06/21/16 18:43 MST		20K	Source: Public
<hr/>				
HETTINGER COUNTY --- 5.0 SSE REGENT [46.35, -102.52]				
	06/21/16 18:48 MST		0	Hail (1.75 in)
	06/21/16 18:50 MST		0	Source: Trained Spotter
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HETTINGER COUNTY --- 0.5 W MOTT [46.38, -102.33]				
	06/21/16 18:55 MST		0.15M	Hail (2.50 in)
	06/21/16 19:07 MST		50K	Source: Emergency Manager
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SLOPE COUNTY --- 2.0 WSW AMIDON [46.47, -103.36]				
	06/21/16 18:55 MST		0	Hail (1.00 in)
	06/21/16 19:05 MST		0	Source: Amateur Radio
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MCKENZIE COUNTY --- 0.5 E KEENE [47.93, -102.94]				
	06/21/16 19:00 MST		0	Hail (1.50 in)
	06/25/16 19:05 MST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - June 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCKENZIE COUNTY --- 0.5 E KEENE [47.93, -102.94]				
	06/21/16 19:06 MST		50K	Thunderstorm Wind (EG 70 kt)
	06/21/16 19:09 MST		0	Source: Emergency Manager
Emergency management estimated winds to be gusting around 80 mph.				
HETTINGER COUNTY --- 4.8 SW MOTT MUNI ARPT [46.31, -102.40], 2.0 SSW MOTT MUNI ARPT [46.32, -102.34]				
	06/21/16 19:10 MST		0.20M	Tornado (EF1, L: 3.20 mi , W: 35 yd)
	06/21/16 19:20 MST		30K	Source: NWS Storm Survey
A tornado moved from southwest of Mott towards the east-northeast for just over three miles. Initial damage was to large cottonwood trees at a farmstead, along with light damage to the home. About half-way through the tornado path, another home was severely damaged. The entire attached three stall garage was destroyed and half the roof was torn from the home. Windows were broken and vehicles were damaged. Debris was strewn through nearby fields for one mile. No injuries or fatalities occurred, as the occupants of both homes took shelter.				
HETTINGER COUNTY --- 0.8 NW REGENT [46.43, -102.56], 0.7 NNE REGENT [46.43, -102.55], 0.4 SSE REGENT [46.41, -102.55], 0.9 WSW REGENT [46.42, -102.57]				
	06/21/16 19:18 MST		30K	Flash Flood (due to Heavy Rain)
	06/21/16 20:45 MST		0	Source: Storm Chaser
Water was running three feet deep through some streets in the city of Regent . Ditches were also overflowing along the Enchanted Highway to the north of Regent with water running over the road. Reports were also received by the National Weather Service of three inches of rain falling in a short period of time.				
WILLIAMS COUNTY --- 14.9 SSE EPPING [48.08, -103.23]				
	06/21/16 19:18 CST		0	Hail (1.00 in)
	06/21/16 19:21 CST		0	Source: Trained Spotter
MCKENZIE COUNTY --- 6.2 N FAIRVIEW [47.94, -104.04]				
	06/21/16 19:19 MST		25K	Hail (1.75 in)
	06/21/16 19:30 MST		50K	Source: Trained Spotter
MCKENZIE COUNTY --- 1.4 E JOHNSONS CORNER [47.80, -102.90]				
	06/21/16 19:22 MST		0	Funnel Cloud
	06/21/16 19:25 MST		0	Source: Trained Spotter
WILLIAMS COUNTY --- 7.4 E BONETRAILL [48.43, -103.69]				
	06/21/16 19:40 CST		0	Hail (1.25 in)
	06/21/16 19:44 CST		0	Source: Public
MCKENZIE COUNTY --- 2.4 ESE ARNEGARD [47.81, -103.38], 2.8 ESE ARNEGARD [47.81, -103.37]				
	06/21/16 19:46 MST		0	Tornado (EF0, L: 0.40 mi , W: 20 yd)
	06/21/16 19:49 MST		0	Source: Law Enforcement
A tornado developed over rural areas between Arnegard and Watford City , and traveled east for almost one-half mile. No damage was reported as the tornado impacted no structures. Based on this, it is rated EF0.				
MCKENZIE COUNTY --- 2.0 ESE RAWSON [47.81, -103.51]				
	06/21/16 20:00 MST		0	Funnel Cloud
	06/21/16 20:02 MST		0	Source: Law Enforcement
MCKENZIE COUNTY --- WATFORD CITY [47.80, -103.28]				
	06/21/16 20:08 MST		0.25M	Hail (1.75 in)
	06/21/16 20:12 MST		50K	Source: Law Enforcement
MERCER COUNTY --- 10.4 N BEULAH [47.42, -101.78]				
	06/21/16 20:10 CST		0	Hail (1.50 in)
	06/21/16 20:14 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - June 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCKENZIE COUNTY --- 4.8 N WATFORD CITY [47.87, -103.28]				
	06/21/16 20:12 MST		0	Hail (1.75 in)
	06/21/16 20:15 MST		15K	Source: Law Enforcement
MCKENZIE COUNTY --- WATFORD CITY [47.80, -103.28]				
	06/21/16 20:12 MST		0	Funnel Cloud
	06/21/16 20:14 MST		0	Source: Law Enforcement
MCKENZIE COUNTY --- WATFORD CITY [47.80, -103.28]				
	06/21/16 20:13 MST		0	Thunderstorm Wind (MG 56 kt)
	06/21/16 20:16 MST		0	Source: Law Enforcement
MCKENZIE COUNTY --- WATFORD CITY [47.80, -103.28]				
	06/21/16 20:13 MST		0.15M	Hail (1.50 in)
	06/21/16 20:16 MST		20K	Source: Law Enforcement
MERCER COUNTY --- 9.4 W PICK CITY [47.51, -101.67]				
	06/21/16 20:20 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/16 20:23 CST		0	Source: Public
The wind gust speed was estimate by the public.				
SIOUX COUNTY --- 19.7 W SELFRIDGE [46.04, -101.34]				
	06/21/16 20:20 MST		0	Hail (1.00 in)
	06/21/16 20:23 MST		0	Source: Trained Spotter
MOUNTRAIL COUNTY --- 7.6 S SANISH [47.87, -102.56]				
	06/21/16 20:33 CST		10K	Hail (2.50 in)
	06/21/16 20:36 CST		25K	Source: Public
DUNN COUNTY --- 25.7 NNE KILLDEER [47.73, -102.63]				
	06/21/16 20:55 MST		20K	Hail (2.50 in)
	06/21/16 20:58 MST		20K	Source: Public
MERCER COUNTY --- 3.1 SW STANTON [47.29, -101.43]				
	06/21/16 21:22 CST		0	Hail (1.00 in)
	06/21/16 21:24 CST		0	Source: Law Enforcement
MCCLEAN COUNTY --- 1.5 NNE GARRISON MUNI ARPT [47.65, -101.37]				
	06/21/16 22:00 CST		0	Hail (1.75 in)
	06/21/16 22:02 CST		0	Source: Broadcast Media
MERCER COUNTY --- 3.1 SW STANTON [47.29, -101.43]				
	06/21/16 22:22 CST		0	Hail (1.00 in)
	06/21/16 22:24 CST		0	Source: Law Enforcement
OLIVER COUNTY --- 2.5 WSW PRICE [47.07, -101.00]				
	06/21/16 23:25 CST		10K	Thunderstorm Wind (EG 65 kt)
	06/21/16 23:28 CST		0	Source: Public
Some trees were reported down in the area.				
MORTON COUNTY --- ALMONT [46.73, -101.50]				
	06/21/16 23:35 CST		0.15M	Thunderstorm Wind (EG 65 kt)
	06/21/16 23:40 CST		15K	Source: Public

Many trees were reported down in the town of Almont. Some trees fell onto cars and campers. Also, some buildings were struck by falling trees.

Storm Data and Unusual Weather Phenomena - June 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BURLEIGH COUNTY --- 6.9 N BISMARCK [46.90, -100.78]				
	06/21/16 23:40 CST		0.25M	Thunderstorm Wind (MG 65 kt)
	06/21/16 23:43 CST		0	Source: Public
Multiple trees were reported down in the Hoge Island area north of Bismarck with this storm. This caused substantial damage to many homes. Boat damage also occurred.				
BURLEIGH COUNTY --- 2.8 N BISMARCK [46.84, -100.78]				
	06/21/16 23:50 CST		20K	Thunderstorm Wind (EG 75 kt)
	06/21/16 23:53 CST		0	Source: Public
A camper was severely damaged by the strong wind gusts.				
BURLEIGH COUNTY --- 1.9 E MOFFIT [46.68, -100.24]				
	06/22/16 00:20 CST		0	Thunderstorm Wind (MG 73 kt)
	06/22/16 00:23 CST		0	Source: Mesonet
EMMONS COUNTY --- HAZELTON ARPT [46.48, -100.27]				
	06/22/16 00:25 CST		0.10M	Thunderstorm Wind (EG 83 kt)
	06/22/16 00:29 CST		0	Source: Trained Spotter
The strong wind gusts snapped tree tops and blew them 100 feet over a house and into the back yard. An eight foot by 14 foot greenhouse blew away. Wind gusts also blew over a portable creep feeder at the Hazelton elevator and broke its axle.				
LOGAN COUNTY --- 7.3 W BURNSTAD [46.36, -99.77]				
	06/22/16 00:50 CST		1.20M	Thunderstorm Wind (EG 87 kt)
	06/22/16 01:00 CST		50K	Source: Public
Power lines were reported down south of Napoleon along North Dakota Highway 3. Also, a 70 foot tall electrical high-voltage structure toppled over. Significant farm damage occurred.				
LOGAN COUNTY --- 0.7 N NAPOLEON [46.51, -99.77]				
	06/22/16 00:55 CST		10K	Hail (1.75 in)
	06/22/16 01:00 CST		0	Source: COOP Observer
MCINTOSH COUNTY --- 0.8 NW WISHEK [46.26, -99.56]				
	06/22/16 00:58 CST		0	Thunderstorm Wind (MG 53 kt)
	06/22/16 01:01 CST		0	Source: Mesonet
LOGAN COUNTY --- 6.2 NNW LEHR [46.36, -99.41]				
	06/22/16 01:05 CST		0	Hail (1.00 in)
	06/22/16 01:08 CST		0	Source: Trained Spotter
DICKEY COUNTY --- 4.2 S ELLENDALE [45.94, -98.53]				
	06/22/16 01:57 CST		0	Thunderstorm Wind (MG 54 kt)
	06/22/16 02:00 CST		0	Source: Mesonet
DICKEY COUNTY --- 4.2 S ELLENDALE [45.94, -98.53]				
	06/22/16 02:02 CST		0	Thunderstorm Wind (MG 56 kt)
	06/22/16 02:05 CST		0	Source: Mesonet

A compact upper level low approached North Dakota while strong instability and very strong deep layer shear were present over a broad portion of the state. Storms initiated over eastern Montana into southwest North Dakota and moved across the area in the evening and overnight hours. Storms were slow to intensify at first, then around 730 pm CDT explosive growth occurred over western North Dakota. Strong supercells developed producing very large hail along with funnel clouds. There were two confirmed tornadoes. One caused damage to a home south of Mott in Hettinger County, while the other occurred over rural areas between Arnegard and Watford City in McKenzie County. Severe storms continued overnight with the threat switching to primarily strong winds over south central North Dakota where there were multiple reports of damage. The greatest damage was in Logan County where a high-voltage electrical transmission structure was toppled.

Storm Data and Unusual Weather Phenomena - June 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCKENZIE COUNTY --- 6.7 NE WATFORD CITY [47.87, -103.18]				
	06/24/16 20:20 MST	0		Thunderstorm Wind (EG 52 kt)
	06/24/16 20:23 MST	0		Source: Trained Spotter
A trained spotter estimated that thunderstorm winds were gusting to 60 mph.				
MCKENZIE COUNTY --- 9.9 SSW WATFORD CITY [47.67, -103.37]				
	06/24/16 20:49 MST	0		Thunderstorm Wind (MG 56 kt)
	06/24/16 20:51 MST	0		Source: Mesonet
MCKENZIE COUNTY --- 0.7 N MANDAREE [47.73, -102.68]				
	06/24/16 20:50 MST	0		Hail (0.88 in)
	06/24/16 20:52 MST	0		Source: Public
MCKENZIE COUNTY --- 15.2 ESE CHARLSON [47.98, -102.57]				
	06/24/16 21:00 MST	0		Thunderstorm Wind (MG 55 kt)
	06/24/16 21:03 MST	0		Source: Mesonet
WILLIAMS COUNTY --- 0.5 W WILLISTON [48.15, -103.63]				
	06/24/16 21:05 CST	0	0.10M	Thunderstorm Wind (EG 65 kt)
	06/24/16 21:15 CST	0		Source: Emergency Manager
Estimated 75 mph thunderstorm wind gusts occurred at the Williams County Fairgrounds. The Williams County Fair was ongoing at the time, and almost all the large tents set up were blown over. No injuries or fatalities occurred.				
WILLIAMS COUNTY --- 3.7 NNW APPAM [48.62, -103.61]				
	06/24/16 21:13 CST	0		Thunderstorm Wind (EG 52 kt)
	06/24/16 21:16 CST	0		Source: Emergency Manager
Emergency Management estimated that thunderstorm winds were gusting up to 60 mph.				
WILLIAMS COUNTY --- 6.5 NNW SPRING BROOK [48.34, -103.51]				
	06/24/16 21:15 CST	0		Hail (0.88 in)
	06/24/16 21:18 CST	0		Source: Emergency Manager
WILLIAMS COUNTY --- 0.5 E BONETRAILL [48.42, -103.84]				
	06/24/16 21:20 CST	0		Hail (1.00 in)
	06/24/16 21:23 CST	0		Source: Public
WILLIAMS COUNTY --- 0.5 E BONETRAILL [48.42, -103.84]				
	06/24/16 21:20 CST	0		Thunderstorm Wind (EG 61 kt)
	06/24/16 21:30 CST	0		Source: Public
The public estimated that thunderstorm winds were gusting up to 70 mph.				
MOUNTRAIL COUNTY --- 0.5 W NEW TOWN [47.98, -102.49]				
	06/24/16 22:00 CST	0		Thunderstorm Wind (EG 52 kt)
	06/24/16 22:02 CST	0		Source: Public
The strong thunderstorm wind gusts were estimated by the public.				
MOUNTRAIL COUNTY --- STANLEY MUNI ARPT [48.30, -102.40]				
	06/24/16 22:05 CST	0		Thunderstorm Wind (MG 54 kt)
	06/24/16 22:08 CST	0		Source: AWOS
MOUNTRAIL COUNTY --- 1.4 E BLAISDELL [48.33, -102.04]				
	06/24/16 22:39 CST	0		Thunderstorm Wind (MG 58 kt)
	06/24/16 22:41 CST	0		Source: AWOS

Storm Data and Unusual Weather Phenomena - June 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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BURKE COUNTY --- 9.1 SSW COTEAU [48.63, -102.40]				
	06/24/16 22:57 CST		0	Thunderstorm Wind (MG 53 kt)
	06/24/16 22:59 CST		0	Source: Mesonet
<p>A deep upper level low approached the region with strong instability and deep layer shear developing ahead of it. A severe linear complex developed over Montana, and pushed into northwest and north central North Dakota. Strong winds became the primary threat, with the strongest wind gusts of around 75 mph occurring at the Williams County Fairgrounds in Williston. Many tents were toppled.</p>				
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STARK COUNTY --- 0.5 W DICKINSON [46.88, -102.79]				
	06/29/16 10:43 MST		0	Hail (0.88 in)
	06/29/16 10:45 MST		0	Source: Public
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BOWMAN COUNTY --- 13.8 S RHAME [46.03, -103.66]				
	06/29/16 12:46 MST		0	Hail (0.75 in)
	06/29/16 12:49 MST		0	Source: Public
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MORTON COUNTY --- 0.5 E MANDAN MUNI ARPT [46.77, -100.89]				
	06/29/16 14:35 CST		0	Thunderstorm Wind (MG 51 kt)
	06/29/16 14:37 CST		0	Source: AWOS
<p>A few thunderstorms developed in the late morning and afternoon over western into central North Dakota as a weak short wave moved into an area of modest instability. One thunderstorm produced a severe wind gust near Mandan in Morton County.</p>				