

Storm Data and Unusual Weather Phenomena - June 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
EMMONS COUNTY --- 8.0 WSW LINTON MUNI ARPT [46.17, -100.38]				
	06/02/20 05:25 CST		0	Hail (2.00 in)
	06/02/20 05:28 CST		0	Source: Public
EMMONS COUNTY --- 14.9 ENE STRASBURG [46.25, -99.91]				
	06/02/20 06:00 CST		0	Hail (1.00 in)
	06/02/20 06:03 CST		0	Source: Trained Spotter
MCINTOSH COUNTY --- 3.5 N DANZIG [46.18, -99.48]				
	06/02/20 06:20 CST		0	Hail (1.50 in)
	06/02/20 06:23 CST		0	Source: Trained Spotter
MCINTOSH COUNTY --- 6.7 ENE DANZIG [46.18, -99.35]				
	06/02/20 06:36 CST		0	Hail (1.00 in)
	06/02/20 06:38 CST		0	Source: Trained Spotter
MCINTOSH COUNTY --- 13.9 NE ASHLEY [46.17, -99.16]				
	06/02/20 06:45 CST		0	Hail (0.88 in)
	06/02/20 06:49 CST		10K	Source: Trained Spotter
The hail combined with wind gusts to 50 mph to damage crops.				
DICKEY COUNTY --- 5.3 W ELLENDALE [46.00, -98.63]				
	06/02/20 07:25 CST		0	Hail (1.50 in)
	06/02/20 07:28 CST		0	Source: Trained Spotter
Instability rapidly increased during the early morning hours over south central and parts of southeast North Dakota in an area of strong deep layer shear as a short wave trough moved through the region. This resulted in thunderstorms developing, with some becoming severe. The largest hail reported was two inches in diameter and fell in Emmons County.				
MCLEAN COUNTY --- 2.8 SW GARRISON MUNI ARPT [47.60, -101.42]				
	06/06/20 08:13 CST		0	Hail (1.00 in)
	06/06/20 08:15 CST		0	Source: Park/Forest Service
BOTTINEAU COUNTY --- 0.7 N BOTTINEAU ARPT [48.84, -100.42]				
	06/06/20 14:45 CST		0	Hail (1.00 in)
	06/06/20 14:47 CST		0	Source: Trained Spotter
Thunderstorms developed near the Missouri River and Lake Sakakawea during the morning hours and moved to the north-northeast. Two storms became severe, producing one-inch diameter hail in McLean County and in Bottineau County. Later, during the evening and overnight hours, a separate round of intense storms moved through southwest and parts of central North Dakota, which is addressed in a separate episode for the same date.				
BOWMAN COUNTY --- 16.8 SSW RHAME [46.01, -103.80]				
	06/06/20 19:00 MST		0	Thunderstorm Wind (EG 52 kt)
	06/06/20 19:03 MST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm wind gusts of 60 mph.				
BOWMAN COUNTY --- 2.0 ENE RHAME [46.24, -103.61]				
	06/06/20 19:15 MST		0	Thunderstorm Wind (EG 61 kt)
	06/06/20 19:17 MST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm wind gusts of 70 mph.				
ADAMS COUNTY --- 0.8 SE HETTINGER ARPT [46.01, -102.64]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/06/20 19:24 MST		0	Thunderstorm Wind (MG 53 kt)
	06/06/20 19:27 MST		0	Source: ASOS
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BOWMAN COUNTY --- 0.8 NE BOWMAN [46.19, -103.39]				
	06/06/20 19:30 MST		0.40M	Thunderstorm Wind (EG 61 kt)
	06/06/20 19:32 MST		0	Source: Emergency Manager
<p>Thunderstorm winds blew part of the roof off of the West River Clinic on the southeast side of Bowman. No damage occurred to mobile homes being transported, gas station awnings, campers, or other structures in the area around the clinic. There appeared to be a significant overhang of the roof on that upwind side of the building, where the wind direction and speed caught it just in the right location, to cause the damage. All the debris from the roof blew in a north-northwest direction, with some insulation making it to the Bowman School.</p>				
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WARD COUNTY --- 2.5 SSW MINOT [48.20, -101.31]				
	06/06/20 23:15 CST		0	Hail (1.25 in)
	06/06/20 23:18 CST		0	Source: Public
<p>A deep surface low pressure system over far eastern Montana resulted in gusty southeast winds over western and central North Dakota that ushered in ample moisture for thunderstorm development. Thunderstorms developed during the evening hours over southwest North Dakota, with some becoming severe producing damaging wind gusts. Thunderstorms spread to the north and east. Another storm becoming severe with large hail over north central North Dakota. The strongest wind gusts estimated at 70 mph occurred just east of Rhame and in the city of Bowman, both in Bowman County. The wind in Bowman damaged the roof on the West River Clinic. The largest hail was the size of a half-dollar, and occurred in Ward County.</p>				
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ADAMS COUNTY --- HETTINGER ARPT [46.02, -102.65]				
	06/07/20 17:20 MST		0	Thunderstorm Wind (MG 52 kt)
	06/07/20 17:22 MST		0	Source: ASOS
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MCINTOSH COUNTY --- 4.4 W ASHLEY [46.04, -99.46]				
	06/07/20 17:30 CST		0	Hail (1.75 in)
	06/07/20 17:33 CST		0	Source: Public
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MCINTOSH COUNTY --- VENTURA [46.00, -99.55]				
	06/07/20 17:30 CST		0	Hail (2.50 in)
	06/07/20 17:33 CST		0	Source: Public
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MCINTOSH COUNTY --- 2.5 WNW ASHLEY [46.04, -99.42], 2.3 WNW ASHLEY [46.04, -99.42]				
	06/07/20 17:45 CST		0	Tornado (EFU, L: 0.20 mi , W: 30 yd)
	06/07/20 17:46 CST		0	Source: Law Enforcement
<p>The tornado touched down in a field just west-northwest of Ashley. There was no damage to evaluate and so by National Weather Service policy the tornado is rated EF Unknown.</p>				
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KIDDER COUNTY --- 12.5 S STEELE [46.67, -99.92]				
	06/07/20 18:02 CST		0	Hail (1.00 in)
	06/07/20 18:05 CST		0	Source: Public
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HETTINGER COUNTY --- 5.0 SSE REGENT [46.35, -102.52]				
	06/07/20 18:06 MST		0	Hail (1.00 in)
	06/07/20 18:08 MST		0	Source: Trained Spotter
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KIDDER COUNTY --- 15.9 SSE STEELE [46.64, -99.76]				
	06/07/20 18:06 CST		0	Hail (1.75 in)
	06/07/20 18:09 CST		0	Source: Trained Spotter
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HETTINGER COUNTY --- 0.7 S MOTT [46.37, -102.32]				
	06/07/20 18:08 MST		0	Hail (1.00 in)
	06/07/20 18:11 MST		0	Source: Public
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DICKEY COUNTY --- 11.8 WNW MERRICOURT [46.26, -98.98], 11.5 WNW MERRICOURT [46.26, -98.97]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/07/20 18:20 CST		0	Tornado (EFU, L: 0.42 mi , W: 30 yd)
	06/07/20 18:21 CST		0	Source: Trained Spotter
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MCINTOSH COUNTY --- 10.4 N ZEELAND [46.12, -99.83]				
	06/07/20 18:20 CST		0	Hail (1.75 in)
	06/07/20 18:24 CST		0	Source: Public
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MCINTOSH COUNTY --- 13.9 E ASHLEY [46.02, -99.08]				
	06/07/20 18:20 CST		0.25M	Thunderstorm Wind (EG 78 kt)
	06/07/20 18:30 CST		0	Source: Law Enforcement
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Six structures on a farmstead were either damaged or destroyed by severe thunderstorm winds. The structures were mainly pole barns, but one was a cinder block silo which may have been stuck by other debris. The debris was spread for one-quarter mile to the northeast.				
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KIDDER COUNTY --- 11.1 S DAWSON [46.71, -99.75]				
	06/07/20 18:28 CST		0	Hail (1.75 in)
	06/07/20 18:31 CST		0	Source: Public
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KIDDER COUNTY --- 11.8 S DAWSON [46.70, -99.75]				
	06/07/20 18:28 CST		0	Hail (1.75 in)
	06/07/20 18:31 CST		0	Source: Public
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LA MOURE COUNTY --- 4.8 SW EDGELEY [46.32, -98.77]				
	06/07/20 18:35 CST		0	Thunderstorm Wind (MG 67 kt)
	06/07/20 18:37 CST		0	Source: Mesonet
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STUTSMAN COUNTY --- 1.2 SW BLOOM [46.91, -98.64]				
	06/07/20 18:53 CST		2K	Thunderstorm Wind (EG 61 kt)
	06/07/20 18:56 CST		0	Source: Public
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A power line blew down onto the road.				
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STUTSMAN COUNTY --- 0.5 E (JMS)JAMESTOWN MUNI [46.93, -98.67]				
	06/07/20 18:56 CST		0	Thunderstorm Wind (MG 61 kt)
	06/07/20 18:58 CST		0	Source: ASOS
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GRANT COUNTY --- 14.5 N ELGIN [46.61, -101.86]				
	06/07/20 19:00 MST		0	Thunderstorm Wind (EG 52 kt)
	06/07/20 19:03 MST		0	Source: Law Enforcement
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Law enforcement estimated thunderstorm wind gusts of 60 mph.				
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GRANT COUNTY --- 17.3 N ELGIN [46.65, -101.86]				
	06/07/20 19:05 MST		0	Thunderstorm Wind (EG 52 kt)
	06/07/20 19:07 MST		0	Source: Law Enforcement
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Law enforcement estimated thunderstorm wind gusts of 60 mph.				
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FOSTER COUNTY --- BARLOW [47.57, -99.15]				
	06/07/20 19:07 CST		0	Hail (1.25 in)
	06/07/20 19:09 CST		0	Source: Trained Spotter
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DICKEY COUNTY --- 5.2 SSE ELLENDALE [45.94, -98.46]				
	06/07/20 19:30 CST		0.15M	Thunderstorm Wind (EG 78 kt)
	06/07/20 19:40 CST		0	Source: NWS Storm Survey

A 130 foot by 300 foot pole barn structure sustained substantial damage from straight line winds. Almost all of the roofing structure collapsed, along with portions of the walls. The debris was spread to the north of the structure.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WELLS COUNTY --- 2.3 NNW CATHAY [47.58, -99.42]				
	06/07/20 19:58 CST		0	Thunderstorm Wind (MG 52 kt)
	06/07/20 20:00 CST		0	Source: Mesonet
DICKEY COUNTY --- 0.8 SW ELLENDALE ARPT [46.01, -98.53]				
	06/07/20 20:00 CST		50K	Thunderstorm Wind (EG 61 kt)
	06/07/20 20:05 CST		0	Source: Emergency Manager
Multiple trees and at least one power pole blew down in the city of Ellendale.				
MORTON COUNTY --- 2.5 ENE NEW SALEM [46.86, -101.37]				
	06/07/20 20:40 CST		0	Hail (1.25 in)
	06/07/20 20:43 CST		0	Source: Public
OLIVER COUNTY --- 7.3 SSW PRICE [46.99, -101.03]				
	06/07/20 21:11 CST		0	Hail (1.00 in)
	06/07/20 21:13 CST		0	Source: Trained Spotter
MORTON COUNTY --- 5.4 SW FLASHER [46.39, -101.30]				
	06/07/20 23:20 CST		0.15M	Thunderstorm Wind (EG 78 kt)
	06/07/20 23:30 CST		0	Source: Emergency Manager
A home sustained substantial damage due to straight line winds. Approximately one-half of the roofing on the west side of the home blew off, with much of the remaining metal roof covering on the west side also being blown off. An attached permanent front porch awning on the west side, a wheel barrow, and multiple children's toys were also blown away. The debris blew towards the east-northeast.				
LA MOURE COUNTY --- 0.8 NE LA MOURE [46.36, -98.29]				
	06/07/20 23:30 CST		0	Hail (1.00 in)
	06/07/20 23:33 CST		0	Source: Emergency Manager
A variety of upper level short-wave troughs combined with a surface trough and frontal boundary to produce thunderstorms during the late afternoon, evening, and late night hours. A very unstable and highly sheared atmosphere allowed many of the storms to become severe, with large hail, damaging wind gusts, and two tornadoes. Some of the wind gusts were very strong with estimated speeds up to 90 mph, causing severe damage to buildings in McIntosh, Dickey, and Morton counties. Tornadoes occurred in McIntosh and Dickey counties. The tornadoes produced no damage to evaluate and so by National Weather Service policy they were both rated EF Unknown. The largest hail reported was the size of tennis balls, which occurred early in the episode over McIntosh County.				
BOWMAN COUNTY --- 13.5 W HALEY [45.95, -103.40]				
	06/14/20 15:07 MST		0	Hail (1.25 in)
	06/14/20 15:10 MST		0	Source: Storm Chaser
BOWMAN COUNTY --- 13.9 W HALEY [45.97, -103.41]				
	06/14/20 15:10 MST		0	Hail (1.75 in)
	06/14/20 15:12 MST		0	Source: Storm Chaser
ADAMS COUNTY --- 2.5 SW REEDER [46.09, -102.98]				
	06/14/20 15:52 MST		2K	Thunderstorm Wind (EG 52 kt)
	06/14/20 15:55 MST		0	Source: Public
One inch diameter tree branches were blown down, and some shingles blew off a structure.				
ADAMS COUNTY --- 2.5 SW REEDER [46.09, -102.98]				
	06/14/20 15:53 MST		0	Hail (1.25 in)
	06/14/20 15:55 MST		0	Source: Public
ADAMS COUNTY --- REEDER [46.12, -102.95]				
	06/14/20 15:56 MST		0	Thunderstorm Wind (MG 57 kt)
	06/14/20 15:58 MST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - June 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GOLDEN VALLEY COUNTY --- 0.5 W SENTINEL BUTTE [46.92, -103.84]				
	06/14/20 16:10 MST	0		Hail (1.25 in)
	06/14/20 16:12 MST	0		Source: Broadcast Media
BILLINGS COUNTY --- FAIRFIELD [47.18, -103.22]				
	06/14/20 16:15 MST	0		Hail (2.00 in)
	06/14/20 16:18 MST	0		Source: Public
GOLDEN VALLEY COUNTY --- 5.2 E SENTINEL BUTTE [46.92, -103.72]				
	06/14/20 16:15 MST	0		Hail (2.25 in)
	06/14/20 16:17 MST	0		Source: Public
BILLINGS COUNTY --- 4.3 SE FAIRFIELD [47.14, -103.15]				
	06/14/20 16:18 MST	0		Hail (1.75 in)
	06/14/20 16:23 MST	0		Source: Public
HETTINGER COUNTY --- 15.9 S NEW ENGLAND [46.30, -102.87]				
	06/14/20 16:18 MST	0		Hail (1.75 in)
	06/14/20 16:21 MST	0		Source: Public
ADAMS COUNTY --- 4.6 NNE REEDER [46.18, -102.91]				
	06/14/20 16:20 MST	0		Hail (1.00 in)
	06/14/20 16:22 MST	0		Source: Public
ADAMS COUNTY --- 11.2 NE REEDER [46.25, -102.81]				
	06/14/20 16:51 MST	0		Hail (2.75 in)
	06/14/20 16:53 MST	0		Source: Public
HETTINGER COUNTY --- 13.8 S NEW ENGLAND [46.33, -102.87]				
	06/14/20 17:01 MST	0		Hail (2.75 in)
	06/14/20 17:03 MST	0		Source: Public
BILLINGS COUNTY --- 4.3 SSE FAIRFIELD [47.12, -103.20]				
	06/14/20 17:13 MST	0		Hail (2.50 in)
	06/14/20 17:15 MST	0		Source: Public
BILLINGS COUNTY --- 3.6 SSE FAIRFIELD [47.13, -103.20]				
	06/14/20 17:15 MST	0		Hail (2.50 in)
	06/14/20 17:17 MST	0		Source: Trained Spotter
BILLINGS COUNTY --- FAIRFIELD [47.18, -103.22]				
	06/14/20 17:15 MST	0		Hail (2.00 in)
	06/14/20 17:17 MST	0		Source: Public
HETTINGER COUNTY --- 2.4 W REGENT [46.42, -102.60]				
	06/14/20 17:15 MST	0		Hail (1.75 in)
	06/14/20 17:18 MST	0		Source: Public
BILLINGS COUNTY --- 4.3 SE FAIRFIELD [47.14, -103.15]				
	06/14/20 17:17 MST	0		Hail (1.50 in)
	06/14/20 17:20 MST	0		Source: Public
BILLINGS COUNTY --- 4.3 SE FAIRFIELD [47.14, -103.15]				
	06/14/20 17:18 MST	0		Hail (1.75 in)
	06/14/20 17:21 MST	0		Source: Public

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RENVILLE COUNTY --- 5.3 NNW GRANO [48.69, -101.63]				
	06/14/20 17:58 CST	0		Hail (2.00 in)
	06/14/20 18:00 CST	0		Source: Public
MCKENZIE COUNTY --- 4.2 N CHARLSON [48.13, -102.88]				
	06/14/20 18:00 MST	0		Funnel Cloud
	06/14/20 18:03 MST	0		Source: Public
MOUNTRAIL COUNTY --- 12.7 NW SANISH [48.13, -102.73]				
	06/14/20 19:05 CST	0		Hail (1.75 in)
	06/14/20 19:07 CST	0		Source: Public
MOUNTRAIL COUNTY --- WHITE EARTH [48.38, -102.77]				
	06/14/20 19:11 CST	0		Hail (1.75 in)
	06/14/20 19:11 CST	0		Source: Public
MOUNTRAIL COUNTY --- 10.8 NW SANISH [48.11, -102.70]				
	06/14/20 19:21 CST	0		Hail (2.00 in)
	06/14/20 19:24 CST	0		Source: Public
MOUNTRAIL COUNTY --- 6.9 S ROSS [48.22, -102.54]				
	06/14/20 19:45 CST	0		Funnel Cloud
	06/14/20 19:47 CST	0		Source: Amateur Radio
MOUNTRAIL COUNTY --- 0.5 W STANLEY [48.32, -102.39]				
	06/14/20 20:14 CST	0		Hail (1.00 in)
	06/14/20 20:16 CST	0		Source: Public
MOUNTRAIL COUNTY --- STANLEY MUNI ARPT [48.30, -102.40]				
	06/14/20 23:51 CST	0		Hail (1.00 in)
	06/14/20 23:54 CST	0		Source: Trained Spotter
WARD COUNTY --- 5.8 SSW CARPIO [48.38, -101.82]				
	06/15/20 00:20 CST	0		Thunderstorm Wind (MG 52 kt)
	06/15/20 00:23 CST	0		Source: Mesonet
RENVILLE COUNTY --- 1.7 SSE NORMA [48.68, -101.75]				
	06/15/20 00:45 CST	0		Hail (1.50 in)
	06/15/20 00:48 CST	0		Source: Public
WARD COUNTY --- KENMARE [48.67, -102.08]				
	06/15/20 01:10 CST	0		Hail (1.00 in)
	06/15/20 01:13 CST	0		Source: Public
WARD COUNTY --- 1.1 SW DONNYBROOK [48.51, -101.89]				
	06/15/20 01:12 CST	0		Hail (1.00 in)
	06/15/20 01:15 CST	0		Source: Trained Spotter
RENVILLE COUNTY --- 0.8 SSE SHERWOOD [48.96, -101.61]				
	06/15/20 01:58 CST	0		Hail (1.75 in)
	06/15/20 02:00 CST	0		Source: Public

Thunderstorms developed along and ahead of a cold front that moved through the region in the late afternoon into the evening hours. Some of the storms became severe, producing large hail and strong wind gusts. The largest hail was the size of a baseball, and fell in Adams and Hettinger counties. The strongest wind gust was 66 mph, which occurred in Adams County. A funnel cloud occurred in McKenzie County and another in Mountrail County. There were no tornadoes.

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MORTON COUNTY --- 8.1 ENE GLEN ULLIN [46.86, -101.67]				
	06/16/20 21:47 CST		0	Hail (1.00 in)
	06/16/20 21:49 CST		0	Source: Trained Spotter
MOUNTRAIL COUNTY --- 5.9 ESE NEW TOWN [47.95, -102.36]				
	06/16/20 22:08 CST		0	Hail (0.88 in)
	06/16/20 22:10 CST		0	Source: Broadcast Media
OLIVER COUNTY --- 6.1 W HANNOVER [47.12, -101.56]				
	06/16/20 22:24 CST		1K	Thunderstorm Wind (EG 52 kt)
	06/16/20 22:27 CST		0	Source: Public
Thunderstorm winds damaged the screen door to a house.				
RENVILLE COUNTY --- 0.8 SSW MOHALL [48.76, -101.51]				
	06/16/20 22:29 CST		0	Hail (1.00 in)
	06/16/20 22:32 CST		0	Source: Public
WARD COUNTY --- 2.0 ESE (MIB)MINOT AFB [48.42, -101.33]				
	06/16/20 23:42 CST		0	Thunderstorm Wind (MG 54 kt)
	06/16/20 23:45 CST		0	Source: AWOS
WARD COUNTY --- 1.5 SSE (MOT)MINOT INTL ARPT [48.25, -101.27]				
	06/16/20 23:43 CST		0	Thunderstorm Wind (MG 51 kt)
	06/16/20 23:46 CST		0	Source: ASOS
BURLEIGH COUNTY --- 2.0 NE STERLING [46.84, -100.25]				
	06/17/20 00:31 CST		0	Thunderstorm Wind (MG 63 kt)
	06/17/20 00:34 CST		0	Source: Mesonet
BURLEIGH COUNTY --- 2.8 N DRISCOLL [46.89, -100.14]				
	06/17/20 00:32 CST		0.15M	Thunderstorm Wind (EG 70 kt)
	06/17/20 00:35 CST		0	Source: Public
Two barns along with a pole structure building were destroyed.				
KIDDER COUNTY --- 0.8 SW TUTTLE [47.14, -99.99]				
	06/17/20 00:45 CST		3K	Thunderstorm Wind (EG 56 kt)
	06/17/20 00:48 CST		0	Source: Public
Large tree branches were blown down.				
<p>A surface trough pushed over western and central North Dakota during the evening hours. This combined with elevated instability and deep layer shear resulting in severe thunderstorm development. The largest hail reported was one inch in diameter, and fell in Morton and Renville counties. The strongest wind gust of 80 mph occurred in Burleigh County, which resulted in two barns and a pole building being destroyed near Driscoll.</p>				
LA MOURE COUNTY --- 6.2 NE EDGELEY [46.44, -98.62]				
	06/20/20 15:25 CST		0	Hail (1.00 in)
	06/20/20 15:28 CST		0	Source: Trained Spotter
LA MOURE COUNTY --- 3.4 NW LA MOURE [46.39, -98.34]				
	06/20/20 15:49 CST		0	Funnel Cloud
	06/20/20 15:51 CST		0	Source: Public
DICKEY COUNTY --- 2.0 ENE ELLENDALE ARPT [46.03, -98.48]				
	06/20/20 16:20 CST		0	Hail (1.00 in)
	06/20/20 16:22 CST		0	Source: Public

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DICKEY COUNTY --- 3.4 E ELLENDALE ARPT [46.02, -98.45], 3.6 E ELLENDALE ARPT [46.02, -98.44]				
	06/20/20 16:25 CST	0		Tornado (EFU, L: 0.27 mi , W: 30 yd)
	06/20/20 16:26 CST	0		Source: Emergency Manager
The tornado touched down northeast of Ellendale. There was no damage to evaluate and so by National Weather Service policy the tornado is rated EF Unknown.				
DICKEY COUNTY --- 4.4 W GUELPH [46.01, -98.32]				
	06/20/20 16:32 CST	0		Funnel Cloud
	06/20/20 16:34 CST	0		Source: Trained Spotter
DICKEY COUNTY --- 2.3 SSW LUDDEN [45.97, -98.15]				
	06/20/20 17:00 CST	0		Funnel Cloud
	06/20/20 17:02 CST	0		Source: Trained Spotter
Thunderstorms developed along a surface trough over the James River Valley in modest instability. Multiple funnel clouds were reported over LaMoure and Dickey counties, with a tornado occurring near Ellendale. The tornado produced no damage to evaluate and so by National Weather Service policy was rated EF Unknown. In addition, one inch diameter hail occurred in LaMoure and Dickey counties.				
MCLEAN COUNTY --- RIVERDALE [47.50, -101.37]				
	06/28/20 15:50 CST	0		Hail (0.88 in)
	06/28/20 15:52 CST	0		Source: Trained Spotter
MCHENRY COUNTY --- 7.0 NNW GRANVILLE [48.36, -100.90]				
	06/28/20 15:57 CST	0		Hail (0.75 in)
	06/28/20 15:59 CST	0		Source: Public
MCHENRY COUNTY --- 0.8 SSW NORWICH [48.24, -100.99]				
	06/28/20 16:00 CST	0		Funnel Cloud
	06/28/20 16:03 CST	0		Source: Public
MCHENRY COUNTY --- 5.6 N NORWICH [48.33, -100.96]				
	06/28/20 16:00 CST	0		Hail (1.50 in)
	06/28/20 16:03 CST	0		Source: Public
MCHENRY COUNTY --- 0.5 W NORWICH [48.25, -100.99]				
	06/28/20 16:03 CST	0		Hail (1.75 in)
	06/28/20 16:05 CST	0		Source: Public
WARD COUNTY --- 0.8 NNW SURREY [48.24, -101.14]				
	06/28/20 16:24 CST	0		Hail (1.75 in)
	06/28/20 16:26 CST	0		Source: Public
MCHENRY COUNTY --- 0.8 NNW NORWICH [48.26, -100.99]				
	06/28/20 16:25 CST	0		Hail (1.00 in)
	06/28/20 16:27 CST	0		Source: Public
WARD COUNTY --- 1.8 E SURREY [48.23, -101.09]				
	06/28/20 16:25 CST	0		Hail (1.00 in)
	06/28/20 16:28 CST	0		Source: Public
WARD COUNTY --- FOXHOLM [48.37, -101.57]				
	06/28/20 17:00 CST	0		Hail (0.88 in)
	06/28/20 17:03 CST	0		Source: Public
OLIVER COUNTY --- CENTER [47.12, -101.30]				

Storm Data and Unusual Weather Phenomena - June 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/28/20 17:20 CST		0	Hail (0.88 in)
	06/28/20 17:23 CST		0	Source: Public
<hr/>				
OLIVER COUNTY --- CENTER [47.12, -101.30]				
	06/28/20 17:45 CST		0	Hail (1.00 in)
	06/28/20 17:47 CST		0	Source: Trained Spotter
<hr/>				
RENVILLE COUNTY --- 1.9 WSW LORAINE [48.86, -101.59]				
	06/28/20 17:45 CST		0	Hail (1.00 in)
	06/28/20 17:48 CST		0	Source: Public
<hr/>				
OLIVER COUNTY --- 5.1 SE CENTER [47.07, -101.22]				
	06/28/20 18:08 CST		0	Hail (1.75 in)
	06/28/20 18:10 CST		0	Source: Trained Spotter
<hr/>				
WARD COUNTY --- 4.6 WNW BURLINGTON [48.31, -101.51]				
	06/28/20 18:17 CST		0	Funnel Cloud
	06/28/20 18:20 CST		0	Source: Other Federal Agency
<hr/>				
OLIVER COUNTY --- 5.6 E CENTER [47.12, -101.18]				
	06/28/20 18:18 CST		0	Hail (1.00 in)
	06/28/20 18:21 CST		0	Source: Public
<hr/>				
OLIVER COUNTY --- 5.7 W PRICE [47.07, -101.07]				
	06/28/20 18:28 CST		0	Hail (2.00 in)
	06/28/20 18:31 CST		0	Source: Public
<hr/>				
BOTTINEAU COUNTY --- 4.6 ESE LANSFORD [48.60, -101.28]				
	06/28/20 18:40 CST		0	Hail (1.00 in)
	06/28/20 18:42 CST		0	Source: Public
<hr/>				
MORTON COUNTY --- 5.6 SE SWEET BRIAR [46.77, -101.10]				
	06/28/20 19:00 CST		0	Hail (1.00 in)
	06/28/20 19:03 CST		0	Source: Trained Spotter
<hr/>				
MORTON COUNTY --- 6.2 E FLASHER [46.44, -101.10]				
	06/28/20 19:05 CST		0	Hail (1.00 in)
	06/28/20 19:08 CST		0	Source: Trained Spotter
<hr/>				
BOTTINEAU COUNTY --- 6.3 SW MAXBASS [48.65, -101.22]				
	06/28/20 19:12 CST		0	Hail (1.00 in)
	06/28/20 19:15 CST		0	Source: Public
<hr/>				
BOTTINEAU COUNTY --- 6.2 SSW MAXBASS [48.64, -101.19]				
	06/28/20 19:15 CST		0	Hail (1.00 in)
	06/28/20 19:18 CST		0	Source: Public
<hr/>				
MORTON COUNTY --- 4.3 W BREIEN [46.38, -101.02]				
	06/28/20 19:20 CST		0	Hail (2.50 in)
	06/28/20 19:24 CST		0	Source: Trained Spotter
<hr/>				
MORTON COUNTY --- 5.2 WSW BREIEN [46.35, -101.03], 4.4 WSW BREIEN [46.37, -101.02]				
	06/28/20 19:27 CST		0	Tornado (EFU, L: 1.26 mi , W: 100 yd)
	06/28/20 19:39 CST		0	Source: Public

The tornado touched down west-southwest of Breien. The tornado produced no damage to evaluate and so by National Weather Service policy was rated EF Unknown.

Storm Data and Unusual Weather Phenomena - June 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BOTTINEAU COUNTY --- 7.0 ESE ROTH [48.93, -100.45], 6.9 E ROTH [48.94, -100.45]				
	06/28/20 20:00 CST		0	Tornado (EFU, L: 0.39 mi , W: 50 yd)
	06/28/20 20:02 CST		0	Source: Public
<p>The tornado touched down east-northeast of Carbury. The tornado produced no damage to evaluate and so by National Weather Service policy was rated EF Unknown. This was the first of two tornadoes near this location within minutes of each other. The second tornado impacted structures and produced damage.</p>				
BOTTINEAU COUNTY --- 3.9 NNE BOTTINEAU ARPT [48.88, -100.38]				
	06/28/20 20:02 CST		35K	Thunderstorm Wind (EG 65 kt)
	06/28/20 20:06 CST		0	Source: Law Enforcement
<p>Power lines blew down and a large tree blew down onto a road.</p>				
BOTTINEAU COUNTY --- 6.7 N BOTTINEAU [48.93, -100.45], 7.0 E ROTH [48.94, -100.45]				
	06/28/20 20:05 CST		0.15M	Tornado (EF1, L: 1.00 mi , W: 100 yd)
	06/28/20 20:10 CST		0	Source: Public
<p>The tornado touched down east-northeast of Carbury, and based on the damage that occurred was rated EF-1. This was the second of two tornadoes near this location within minutes of each other. Two properties were damaged by this second tornado. Damaged was a barn door blown off and the roof torn off, a machine shed damaged, a swing set blown away and large trees snapped and uprooted. A car port was also damaged. Tornado winds were estimated, based on the damage done, at around 95 mph.</p>				
<p>Thunderstorms developed in the afternoon along a frontal boundary aligned north to south over the western and central parts of North Dakota. Initially, storms formed along the northern portions of the boundary, then developed south. A highly visible tornado developed over southern Morton County in the evening, then two tornadoes developed within minutes of each other in Bottineau County, with the second one damaging two properties. The largest hail was the size of a tennis ball, which occurred in Morton County. The strongest wind gust was 75 mph, and occurred in Bottineau County.</p>				
MCKENZIE COUNTY --- 28.6 S FAIRVIEW [47.44, -103.94]				
	06/29/20 16:22 MST		0	Hail (1.00 in)
	06/29/20 16:25 MST		0	Source: Trained Spotter
MCKENZIE COUNTY --- 13.8 N GRASSY BUTTE [47.60, -103.25]				
	06/29/20 17:03 MST		0	Hail (1.25 in)
	06/29/20 17:06 MST		0	Source: Trained Spotter
DUNN COUNTY --- 0.9 E KILLDEER [47.37, -102.75]				
	06/29/20 17:05 MST		0	Hail (1.75 in)
	06/29/20 17:09 MST		0	Source: COOP Observer
MCKENZIE COUNTY --- 5.0 WNW GRASSY BUTTE [47.44, -103.34]				
	06/29/20 17:14 MST		0	Hail (1.75 in)
	06/29/20 17:17 MST		0	Source: Trained Spotter
MCKENZIE COUNTY --- 1.4 N GRASSY BUTTE [47.42, -103.25]				
	06/29/20 17:16 MST		0	Thunderstorm Wind (MG 73 kt)
	06/29/20 17:19 MST		0	Source: Mesonet
BILLINGS COUNTY --- 6.3 WNW FAIRFIELD [47.22, -103.34]				
	06/29/20 17:20 MST		0	Hail (0.88 in)
	06/29/20 17:23 MST		0	Source: Trained Spotter
MCKENZIE COUNTY --- 9.8 SE WATFORD CITY [47.70, -103.13]				
	06/29/20 17:22 MST		0	Funnel Cloud
	06/29/20 17:24 MST		0	Source: Airplane Pilot
DUNN COUNTY --- 16.7 NW KILLDEER [47.56, -102.99]				

Storm Data and Unusual Weather Phenomena - June 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/29/20 17:32 MST		0	Thunderstorm Wind (MG 54 kt)
	06/29/20 17:35 MST		0	Source: Mesonet
<hr/>				
HETTINGER COUNTY --- 0.8 NW NEW ENGLAND [46.54, -102.86]				
	06/29/20 18:17 MST		0	Hail (1.00 in)
	06/29/20 18:20 MST		0	Source: Trained Spotter
<hr/>				
MCKENZIE COUNTY --- 15.0 ESE CHARLSON [47.98, -102.58]				
	06/29/20 18:40 MST		25K	Thunderstorm Wind (EG 74 kt)
	06/29/20 18:45 MST		0	Source: Emergency Manager
<hr/>				
A boat was blown off a trailer onto the parking lot at Four Bears Casino.				
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MCKENZIE COUNTY --- 14.9 ESE CHARLSON [47.99, -102.57]				
	06/29/20 18:46 MST		0	Thunderstorm Wind (MG 70 kt)
	06/29/20 18:49 MST		0	Source: Mesonet
<hr/>				
MOUNTRAIL COUNTY --- 3.1 SE NEW TOWN [47.95, -102.43]				
	06/29/20 19:24 CST		0	Thunderstorm Wind (EG 70 kt)
	06/29/20 19:27 CST		0	Source: Storm Chaser
<hr/>				
A storm chaser estimated 80 mph wind gusts.				
<hr/>				
MOUNTRAIL COUNTY --- 1.4 E SANISH [47.98, -102.54]				
	06/29/20 19:40 CST		50K	Thunderstorm Wind (EG 74 kt)
	06/29/20 19:45 CST		0	Source: Emergency Manager
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Twenty five power poles were either damaged, broken, or leaning. At one point 1,300 electrical meters were without power.				
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MOUNTRAIL COUNTY --- 3.7 SSW NEW TOWN [47.93, -102.51]				
	06/29/20 19:40 CST		0	Thunderstorm Wind (MG 55 kt)
	06/29/20 19:43 CST		0	Source: Mesonet
<hr/>				
MOUNTRAIL COUNTY --- 4.8 S SANISH [47.91, -102.57]				
	06/29/20 20:22 CST		5K	Thunderstorm Wind (EG 61 kt)
	06/29/20 20:25 CST		0	Source: Trained Spotter
<hr/>				
Numerous tree branches larger than six inches in diameter were broken.				
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MOUNTRAIL COUNTY --- 3.5 N SANISH [48.03, -102.56]				
	06/29/20 20:25 CST		15K	Thunderstorm Wind (EG 61 kt)
	06/29/20 20:29 CST		0	Source: NWS Employee
<hr/>				
A large machine shed had its metal doors pushed in and damaged by the strong winds.				
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<p>Thunderstorms developed in the vicinity of a warm front over southwest North Dakota where strong instability and deep layer shear had developed, then spread northeast. Initial storms produced a combination of large hail and strong wind gusts, while later storms produced primarily strong wind gusts resulting in many reports of property damage, particularly near New Town in Mountrail and McKenzie counties. The largest hail was the size of golf balls, and occurred in Dunn and McKenzie counties. The strongest wind gust was 84 mph, which occurred near Grassy Butte in McKenzie County.</p>				
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BURLEIGH COUNTY --- 6.3 NW FT LINCOLN [46.88, -100.70]				
	06/30/20 08:03 CST		30K	Thunderstorm Wind (MG 76 kt)
	06/30/20 08:06 CST		0	Source: Public
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A camper was blown across a driveway and a trailer was blown into a ditch. A play set was blown down, and loose items were scattered across yards in the neighborhood.				
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MCCLEAN COUNTY --- 4.2 NE TURTLE LAKE [47.57, -100.85]				
	06/30/20 08:35 CST		0.10M	Thunderstorm Wind (EG 70 kt)
	06/30/20 08:39 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - June 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Multiple barns were blown down by the thunderstorm wind gusts, with debris scattered a good distance away from the original location.

Thunderstorms developed during the morning hours in an area of low level warm air advection and elevated shear. Two storms became severe with damaging wind gusts. The first storm, near Bismarck, produced a measured 87 mph wind gust which damaged a camper, trailer, and play set. The next storm, near Turtle Lake, produced estimated 80 mph wind gusts which blew down multiple barns. Additional thunderstorms developed over central North Dakota later in the day which are addressed in a separate episode for this date.

KIDDER COUNTY --- 8.6 NE ROBINSON [47.25, -99.66]

	06/30/20 12:05 CST	0	Hail (0.88 in)
	06/30/20 12:08 CST	0	Source: Trained Spotter

PIERCE COUNTY --- 2.0 NE SELZ [47.87, -99.85]

	06/30/20 15:15 CST	0	Hail (0.88 in)
	06/30/20 15:30 CST	0	Source: Public

WELLS COUNTY --- 2.1 NNE HARVEY ARPT [47.83, -99.92], 11.2 SW HARVEY [47.65, -100.06], 8.7 S HARVEY [47.64, -99.90], 1.6 ENE WELLSBURG [47.84, -99.70]

	06/30/20 17:30 CST	0.20M	Flash Flood (due to Heavy Rain)
	06/30/20 21:30 CST	0	Source: Broadcast Media

Multiple rounds of heavy rain fell over northwest and west-central Wells County, with a daily total of almost seven inches near the Harvey area. Many rural roads and fields were flooded. A side hill gave way onto a road on the west end of Harvey.

KIDDER COUNTY --- 5.6 N STEELE [46.93, -99.92]

	06/30/20 17:52 CST	0	Funnel Cloud
	06/30/20 17:54 CST	0	Source: Storm Chaser

Multiple thunderstorms developed over central North Dakota as an upper level trough approached the area. Very strong instability was present, but thunderstorms were having trouble becoming surface based due to convection during the morning hours, which is addressed in a separate episode on this same date, keeping cloud cover over the area. One storm over Wells County became very slow moving, producing torrential rain in the Harvey area. This was preceded by rain during the morning, and followed by another round of rain in the early evening. Total rainfall amounts between six and seven inches led to flash flooding.