

Storm Data and Unusual Weather Phenomena - July 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
STARK COUNTY --- 0.5 W TAYLOR [46.90, -102.43]				
	07/02/20 14:20 MST	0		Hail (1.50 in)
	07/02/20 14:23 MST	0		Source: Public
DUNN COUNTY --- 4.3 WSW MARSHALL [47.10, -102.41]				
	07/02/20 14:46 MST	0		Hail (1.25 in)
	07/02/20 14:50 MST	0		Source: Trained Spotter
DUNN COUNTY --- 8.6 NW MARSHALL [47.23, -102.44]				
	07/02/20 15:17 MST	0		Hail (1.00 in)
	07/02/20 15:20 MST	0		Source: Trained Spotter
DUNN COUNTY --- 7.7 NNE HALLIDAY [47.45, -102.26]				
	07/02/20 15:28 MST	0		Hail (1.00 in)
	07/02/20 15:31 MST	0		Source: Trained Spotter
HETTINGER COUNTY --- 0.7 N NEW ENGLAND [46.54, -102.85]				
	07/02/20 15:50 MST	0		Hail (1.75 in)
	07/02/20 15:57 MST	0		Source: Law Enforcement
HETTINGER COUNTY --- 1.2 NW NEW ENGLAND [46.54, -102.87]				
	07/02/20 16:00 MST	0		Hail (1.75 in)
	07/02/20 16:03 MST	0		Source: COOP Observer
SLOPE COUNTY --- 15.3 ENE AMIDON [46.56, -103.02]				
	07/02/20 16:45 MST	0		Hail (0.88 in)
	07/02/20 16:48 MST	0		Source: Trained Spotter
WARD COUNTY --- 2.0 ESE (MIB)MINOT AFB [48.42, -101.33]				
	07/02/20 18:12 CST	0		Thunderstorm Wind (MG 65 kt)
	07/02/20 18:14 CST	0		Source: AWOS
BOTTINEAU COUNTY --- 2.8 SE LANSFORD [48.60, -101.33]				
	07/02/20 18:20 CST	0		Thunderstorm Wind (EG 61 kt)
	07/02/20 18:22 CST	0		Source: Trained Spotter
A trained spotter estimated wind gusts to 70 mph.				
ROLETTE COUNTY --- 0.8 SSW ROLLA [48.84, -99.61]				
	07/02/20 20:38 CST	0		Thunderstorm Wind (MG 52 kt)
	07/02/20 20:40 CST	0		Source: Mesonet
BURLEIGH COUNTY --- 0.7 S (BIS)BISMARCK MUNI A [46.77, -100.75]				
	07/02/20 20:52 CST	0		Thunderstorm Wind (MG 56 kt)
	07/02/20 20:54 CST	0		Source: ASOS
Thunderstorms developed ahead of a surface trough in an environment of very strong instability and enhanced deep layer shear. Initial storms produced primarily large hail, with a shift towards strong wind gusts later in the episode. The strongest thunderstorm wind gust was 75 mph, which occurred at the Minot Air Force Base in Ward County. The largest hail was the size of golf balls, and fell in the New England area of Hettinger County.				
STARK COUNTY --- 0.8 NW DICKINSON [46.89, -102.79]				
	07/03/20 04:05 MST	0		Hail (1.00 in)
	07/03/20 04:07 MST	0		Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
STARK COUNTY --- 0.5 W DICKINSON [46.88, -102.79]				
	07/03/20 04:07 MST		0	Hail (0.88 in)
	07/03/20 04:09 MST		0	Source: Law Enforcement
WILLIAMS COUNTY --- WILLISTON [48.15, -103.62]				
	07/03/20 12:20 CST		0	Hail (0.75 in)
	07/03/20 12:23 CST		0	Source: Trained Spotter
An isolated early morning severe thunderstorm produced one-inch diameter hail in the Dickinson area. Later in the day, a thunderstorm produced penny-size hail in Williams County.				
ADAMS COUNTY --- 0.8 NE HAYNES [45.98, -102.46]				
	07/03/20 21:00 MST		3K	Thunderstorm Wind (EG 52 kt)
	07/03/20 21:03 MST		0	Source: Public
A few panels blew off a shed.				
ADAMS COUNTY --- HAYNES [45.97, -102.47]				
	07/03/20 21:00 MST		0	Hail (1.00 in)
	07/03/20 21:03 MST		0	Source: Public
BOWMAN COUNTY --- 4.8 NNE HALEY [46.03, -103.07]				
	07/03/20 21:50 MST		0	Thunderstorm Wind (EG 52 kt)
	07/03/20 21:53 MST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
ADAMS COUNTY --- 6.9 S REEDER [46.02, -102.95]				
	07/03/20 22:06 MST		0	Hail (0.88 in)
	07/03/20 22:09 MST		0	Source: Public
ADAMS COUNTY --- 3.6 WNW BUCYRUS [46.09, -102.85]				
	07/03/20 22:10 MST		0	Hail (0.88 in)
	07/03/20 22:13 MST		0	Source: Public
WILLIAMS COUNTY --- 11.8 SSW BONETRAILL [48.26, -103.94]				
	07/03/20 22:10 CST		0	Thunderstorm Wind (EG 52 kt)
	07/03/20 22:13 CST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
ADAMS COUNTY --- 1.4 E HETTINGER [46.00, -102.60]				
	07/03/20 22:30 MST		0	Thunderstorm Wind (EG 52 kt)
	07/03/20 22:33 MST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
Thunderstorms developed over Montana, and moved into western North Dakota during the evening and overnight hours. Some storms became severe. The largest hail was one inch in diameter, and fell in Adams County. The strongest thunderstorm wind gusts were estimated at 60 mph, which occurred in Adams, Bowman, and Williams counties.				
LA MOURE COUNTY --- 10.6 W EDGELEY [46.35, -98.92]				
	07/04/20 14:58 CST		0	Hail (1.00 in)
	07/04/20 15:01 CST		0	Source: Trained Spotter
LA MOURE COUNTY --- 8.6 SW EDGELEY [46.30, -98.85]				
	07/04/20 15:27 CST		0	Hail (1.00 in)
	07/04/20 15:30 CST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LOGAN COUNTY --- 2.8 SW FREDONIA [46.30, -99.14]				
	07/04/20 15:49 CST		0	Hail (1.25 in)
	07/04/20 15:52 CST		0	Source: Public
LA MOURE COUNTY --- 12.4 WSW EDGELEY [46.32, -98.95]				
	07/04/20 16:30 CST		0	Hail (1.50 in)
	07/04/20 16:33 CST		0	Source: Law Enforcement
MCINTOSH COUNTY --- 0.5 W ASHLEY [46.03, -99.38]				
	07/04/20 16:38 CST		0	Hail (0.88 in)
	07/04/20 16:41 CST		0	Source: Law Enforcement
DICKEY COUNTY --- 0.7 S FORBES [45.94, -98.78]				
	07/04/20 17:18 CST		3K	Thunderstorm Wind (EG 61 kt)
	07/04/20 17:22 CST		0	Source: Emergency Manager
Two larger diameter trees were blown down. In addition, numerous smaller branches and limbs were also blown down.				
DICKEY COUNTY --- 4.4 W FORBES [45.94, -98.87]				
	07/04/20 17:20 CST		3K	Thunderstorm Wind (EG 70 kt)
	07/04/20 17:23 CST		0	Source: Emergency Manager
Multiple large cottonwood trees blew over or were snapped.				
STUTSMAN COUNTY --- 5.7 NNW (JMS)JAMESTOWN MUNI [47.01, -98.71]				
	07/04/20 17:50 CST		0	Hail (1.75 in)
	07/04/20 17:53 CST		0	Source: NWS Employee
Thunderstorms developed along an old outflow boundary over south central North Dakota into the James River Valley in an environment of strong instability but marginal deep layer shear. Some storms became severe over the James River Valley, producing large hail and damaging wind gusts. The strongest wind gust was estimated at 80 mph, which occurred in Dickey County. The largest hail was the size of golf balls, and fell in Stutsman County.				
SLOPE COUNTY --- 1.0 W MARMARTH [46.30, -103.92]				
	07/04/20 20:35 MST		0	Thunderstorm Wind (EG 52 kt)
	07/04/20 20:38 MST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
BOWMAN COUNTY --- 4.8 W RHAME [46.24, -103.75]				
	07/04/20 20:42 MST		0	Thunderstorm Wind (EG 52 kt)
	07/04/20 20:45 MST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
BOWMAN COUNTY --- 0.5 W BOWMAN [46.18, -103.41]				
	07/04/20 21:10 MST		0	Thunderstorm Wind (EG 52 kt)
	07/04/20 21:13 MST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
HETTINGER COUNTY --- 2.1 NNE BENTLEY [46.36, -102.06]				
	07/04/20 22:55 MST		0	Thunderstorm Wind (MG 53 kt)
	07/04/20 22:58 MST		0	Source: Mesonet
WILLIAMS COUNTY --- 7.2 NW (ISN)SLOULIN FLD WIL [48.26, -103.75]				
	07/04/20 23:34 CST		0	Thunderstorm Wind (MG 61 kt)
	07/04/20 23:39 CST		0	Source: ASOS

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WILLIAMS COUNTY --- 4.7 NE (ISN)SLOULIN FLD WIL [48.23, -103.58]				
	07/04/20 23:45 CST		0.10M	Thunderstorm Wind (EG 70 kt)
	07/04/20 23:48 CST		0	Source: Emergency Manager
Much of a metal roof was removed from a building. Debris was spread to the southeast. Some travel trailers nearby were damaged, with one being destroyed.				
WILLIAMS COUNTY --- 2.1 S ALAMO [48.55, -103.47]				
	07/04/20 23:54 CST		0	Thunderstorm Wind (MG 51 kt)
	07/04/20 23:57 CST		0	Source: Mesonet
DIVIDE COUNTY --- 8.3 S NOONAN [48.76, -103.01]				
	07/05/20 00:17 CST		0	Thunderstorm Wind (MG 60 kt)
	07/05/20 00:20 CST		0	Source: Mesonet
A line of strong to severe thunderstorms affiliated with a strong short-wave trough and cold front approached western North Dakota during the late night hours. These thunderstorms produced damaging wind gusts over many parts of western North Dakota. The strongest thunderstorm wind gusts were estimated to be around 80 mph over the far north part of Williston. Parts of a metal roof were removed from a building in this location, and some travel trailers were damaged with one being destroyed.				
STARK COUNTY --- 10.8 WSW LEFOR [46.64, -102.77]				
	07/05/20 13:33 MST		10K	Hail (1.00 in)
	07/25/20 13:36 MST		0	Source: Trained Spotter
Hail combined with thunderstorm wind gusts to break some windows in the house and to break skylights on out-buildings. One coral wall was pushed over.				
STARK COUNTY --- 1.2 SW LEFOR [46.67, -102.57]				
	07/05/20 13:52 MST		0	Thunderstorm Wind (EG 61 kt)
	07/05/20 13:54 MST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
HETTINGER COUNTY --- 14.6 N BURT [46.58, -102.12]				
	07/05/20 14:15 MST		0	Thunderstorm Wind (EG 52 kt)
	07/05/20 14:18 MST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
GRANT COUNTY --- 10.5 N ELGIN [46.55, -101.89]				
	07/05/20 14:30 MST		25K	Hail (2.00 in)
	07/05/20 14:33 MST		0	Source: Public
Multiple windows were broken on the barn and on garage doors.				
GRANT COUNTY --- 15.2 N ELGIN MUNI ARPT [46.62, -101.81]				
	07/05/20 14:33 MST		0	Hail (1.25 in)
	07/05/20 14:36 MST		0	Source: Public
GRANT COUNTY --- 11.8 N ELGIN [46.57, -101.84]				
	07/05/20 14:35 MST		0	Hail (1.75 in)
	07/05/20 14:37 MST		0	Source: Public
GRANT COUNTY --- 9.0 N ELGIN MUNI ARPT [46.53, -101.81]				
	07/05/20 14:35 MST		0	Hail (1.50 in)
	07/05/20 14:37 MST		0	Source: Public
GRANT COUNTY --- 8.1 NNE ELGIN MUNI ARPT [46.50, -101.74]				
	07/05/20 14:40 MST		50K	Hail (3.00 in)
	07/05/20 14:45 MST		0.15M	Source: Public

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GRANT COUNTY --- 11.8 N ELGIN MUNI ARPT [46.57, -101.83]				
	07/05/20 14:43 MST		0	Hail (1.00 in)
	07/05/20 14:45 MST		0	Source: Public
GRANT COUNTY --- 10.8 NNE ELGIN MUNI ARPT [46.55, -101.77]				
	07/05/20 14:45 MST		0	Hail (1.75 in)
	07/05/20 14:48 MST		0	Source: Public
GRANT COUNTY --- 8.5 NNW CARSON [46.53, -101.65]				
	07/05/20 14:45 MST		0	Hail (2.00 in)
	07/05/20 14:48 MST		0	Source: Public
GRANT COUNTY --- 8.3 NNW CARSON [46.53, -101.64]				
	07/05/20 14:50 MST		0	Hail (2.50 in)
	07/05/20 14:53 MST		0	Source: Public
GRANT COUNTY --- 4.9 S ELGIN [46.33, -101.84]				
	07/05/20 16:05 MST		0	Thunderstorm Wind (EG 52 kt)
	07/05/20 16:08 MST		0	Source: Public
Thunderstorm wind gusts were estimated by the public.				
GRANT COUNTY --- CARSON [46.42, -101.57]				
	07/05/20 16:18 MST		0	Hail (1.00 in)
	07/05/20 16:21 MST		0	Source: Public
MORTON COUNTY --- 7.7 ENE FLASHER [46.49, -101.08]				
	07/05/20 16:45 CST		0	Hail (1.00 in)
	07/05/20 16:48 CST		0	Source: Public
DICKEY COUNTY --- 11.9 WNW FORBES [46.03, -99.00]				
	07/05/20 17:56 CST		0	Funnel Cloud
	07/05/20 17:58 CST		0	Source: Law Enforcement
DIVIDE COUNTY --- 1.1 SW CROSBY [48.91, -103.30]				
	07/05/20 18:10 CST		0	Hail (0.75 in)
	07/05/20 18:12 CST		0	Source: Public
DIVIDE COUNTY --- 3.1 WSW NOONAN [48.86, -103.06]				
	07/05/20 18:35 CST		0	Hail (1.00 in)
	07/05/20 18:37 CST		25K	Source: Public
A flowering canola field was damaged.				
DIVIDE COUNTY --- 4.7 SSE NOONAN [48.82, -102.95]				
	07/05/20 18:48 CST		0	Hail (1.25 in)
	07/05/20 18:51 CST		0	Source: Public
<p>A pair of intense supercell thunderstorms moved over southwest North Dakota ahead of a weak short wave-trough in an area of strong instability and deep layer shear. The greatest damage from these storms occurred near Heart Butte Dam in Grant County, where hail up to three inches in diameter shredded crops and damaged structures. Additional thunderstorms then developed ahead of the aforementioned trough over southwest and south central North Dakota, with some becoming severe. Later in the evening, a severe thunderstorm moved from Saskatchewan into Divide County producing large hail and damaging crops. The strongest thunderstorm wind gust during this episode was 70 mph near Lefor in Stark County, and the largest hail was three inches in diameter in Grant County.</p>				
STUTSMAN COUNTY --- 5.6 SSE BUCHANAN [47.00, -98.77]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/06/20 12:53 CST		0	Funnel Cloud
	07/06/20 12:55 CST		0	Source: Public
A funnel cloud formed northwest of Jamestown along a frontal boundary.				
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BOWMAN COUNTY --- 3.9 WSW RHAME [46.20, -103.72]				
	07/07/20 19:10 MST		0	Thunderstorm Wind (MG 63 kt)
	07/07/20 19:13 MST		0	Source: Law Enforcement
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SLOPE COUNTY --- 3.5 SW AMIDON [46.45, -103.38]				
	07/07/20 19:18 MST		0	Thunderstorm Wind (EG 61 kt)
	07/07/20 19:21 MST		0	Source: Emergency Manager
Thunderstorm wind gusts estimated by Emergency Manager.				
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MCKENZIE COUNTY --- 15.9 N ALEXANDER [48.08, -103.64]				
	07/07/20 19:30 MST		30K	Thunderstorm Wind (EG 70 kt)
	07/07/20 19:35 MST		0	Source: Public
Half of the roof was blown off a large barn.				
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SLOPE COUNTY --- 10.7 WNW AMIDON [46.55, -103.52]				
	07/07/20 19:30 MST		0	Thunderstorm Wind (MG 52 kt)
	07/07/20 19:33 MST		0	Source: RAW5
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MCKENZIE COUNTY --- 5.5 N WATFORD CITY [47.88, -103.28]				
	07/07/20 19:45 MST		0	Thunderstorm Wind (EG 52 kt)
	07/07/20 19:48 MST		0	Source: Trained Spotter
Thunderstorm wind gusts were estimated by a trained spotter.				
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MCKENZIE COUNTY --- 4.0 S WATFORD CITY [47.74, -103.28]				
	07/07/20 19:50 MST		2K	Thunderstorm Wind (EG 55 kt)
	07/07/20 19:54 MST		0	Source: Public
A chicken coop was damaged.				
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MCKENZIE COUNTY --- 5.1 SW CHARLSON [48.02, -102.95]				
	07/07/20 19:52 MST		0	Thunderstorm Wind (MG 51 kt)
	07/07/20 19:55 MST		0	Source: Mesonet
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STARK COUNTY --- (DIK)DICKINSON MUNI [46.80, -102.80]				
	07/07/20 20:04 MST		0	Thunderstorm Wind (MG 55 kt)
	07/07/20 20:06 MST		0	Source: ASOS
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WILLIAMS COUNTY --- 6.9 NW (ISN)SLOULIN FLD WIL [48.26, -103.74]				
	07/07/20 20:11 CST		0	Thunderstorm Wind (MG 57 kt)
	07/07/20 20:13 CST		0	Source: ASOS
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STARK COUNTY --- GLADSTONE [46.87, -102.55]				
	07/07/20 20:16 MST		0	Thunderstorm Wind (MG 53 kt)
	07/07/20 20:19 MST		0	Source: Mesonet
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STARK COUNTY --- 7.0 N GLADSTONE [46.97, -102.53]				
	07/07/20 20:25 MST		0	Thunderstorm Wind (MG 55 kt)
	07/07/20 20:27 MST		0	Source: COOP Observer
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WILLIAMS COUNTY --- 2.1 S ALAMO [48.55, -103.47]				

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	07/07/20 20:26 CST		0	Thunderstorm Wind (MG 55 kt)
	07/07/20 20:29 CST		0	Source: Mesonet
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WILLIAMS COUNTY --- 9.8 SE WILLISTON [48.05, -103.47]				
	07/07/20 20:30 CST		30K	Thunderstorm Wind (EG 65 kt)
	07/07/20 20:33 CST		0	Source: Public
Damage included a quonset door caving in, shingles and soffit being ripped off a building, and tree damage.				
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STARK COUNTY --- GLADSTONE [46.87, -102.55]				
	07/07/20 20:31 MST		0	Thunderstorm Wind (MG 57 kt)
	07/07/20 20:33 MST		0	Source: Mesonet
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DIVIDE COUNTY --- 7.6 S CROSBY [48.81, -103.29]				
	07/07/20 20:45 CST		0	Thunderstorm Wind (MG 51 kt)
	07/07/20 20:47 CST		0	Source: Mesonet
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GRANT COUNTY --- 13.8 N ELGIN MUNI ARPT [46.60, -101.81]				
	07/07/20 20:55 MST		0	Thunderstorm Wind (EG 52 kt)
	07/07/20 20:57 MST		0	Source: COOP Observer
Thunderstorm wind gusts were estimated by a COOP Observer.				
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MOUNTRAIL COUNTY --- 2.0 SW MANITOU [48.31, -102.66]				
	07/07/20 21:11 CST		0	Thunderstorm Wind (EG 52 kt)
	07/07/20 21:14 CST		0	Source: Emergency Manager
Thunderstorm wind gusts were estimated by the Emergency Manager.				
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DIVIDE COUNTY --- CROSBY MUNI ARPT [48.93, -103.30]				
	07/07/20 21:15 CST		0	Thunderstorm Wind (MG 55 kt)
	07/07/20 21:17 CST		0	Source: AWOS
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MOUNTRAIL COUNTY --- 0.5 W NEW TOWN [47.98, -102.49]				
	07/07/20 21:16 CST		0	Thunderstorm Wind (MG 57 kt)
	07/07/20 21:18 CST		0	Source: Mesonet
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MOUNTRAIL COUNTY --- 2.8 WNW STANLEY MUNI ARPT [48.31, -102.46]				
	07/07/20 21:20 CST		0	Thunderstorm Wind (MG 54 kt)
	07/07/20 21:22 CST		0	Source: Trained Spotter
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BURKE COUNTY --- 0.5 W LIGNITE [48.88, -102.56]				
	07/07/20 21:35 CST		25K	Thunderstorm Wind (EG 65 kt)
	07/07/20 21:37 CST		0	Source: Public
A shop had its doors blown out, and a cable snapped on one side of a bi-fold garage door.				
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MOUNTRAIL COUNTY --- 1.4 E BLAISDELL [48.33, -102.04]				
	07/07/20 22:01 CST		0	Thunderstorm Wind (MG 51 kt)
	07/07/20 22:05 CST		0	Source: Mesonet
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MERCER COUNTY --- 1.7 NE GOLDEN VLY [47.30, -102.05]				
	07/07/20 22:10 CST		0	Thunderstorm Wind (MG 62 kt)
	07/07/20 22:13 CST		0	Source: Mesonet
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MORTON COUNTY --- 0.8 NW NEW SALEM [46.86, -101.43]				
	07/07/20 22:16 CST		0	Thunderstorm Wind (MG 52 kt)
	07/07/20 22:18 CST		0	Source: Mesonet

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MERCER COUNTY --- 0.7 N STANTON [47.33, -101.38]				
	07/07/20 22:18 CST		0	Thunderstorm Wind (MG 59 kt)
	07/07/20 22:20 CST		0	Source: RAWS
MERCER COUNTY --- 2.3 W HAZEN [47.30, -101.68]				
	07/07/20 22:24 CST		0	Thunderstorm Wind (MG 57 kt)
	07/07/20 22:26 CST		0	Source: Mesonet
OLIVER COUNTY --- 2.8 N SANGER [47.22, -100.99], 2.8 N SANGER [47.22, -100.99]				
	07/07/20 22:30 CST		10K	Tornado (EF1, L: 0.22 mi , W: 50 yd)
	07/07/20 22:31 CST		0	Source: Trained Spotter
<p>The tornado touched down in Cross Ranch State Park and passed along the Matah Trail before lifting along the shores of the Missouri River. Large Cottonwood trees were twisted and broken into many different directions. Based on the damage done the tornado was rated EF-1. From that, wind speeds were estimated to have been around 90 mph.</p>				
WARD COUNTY --- 0.1 NNE SOUTH PRAIRIE [48.05, -101.30]				
	07/07/20 22:30 CST		10K	Thunderstorm Wind (EG 65 kt)
	07/07/20 22:36 CST		0	Source: Public
<p>An outdoor play set was tumbled and destroyed, and a vehicle was damaged.</p>				
MCLEAN COUNTY --- 2.7 WSW GARRISON MUNI ARPT [47.61, -101.43]				
	07/07/20 22:35 CST		40K	Thunderstorm Wind (EG 70 kt)
	07/07/20 22:38 CST		0	Source: Public
<p>The roof of a home was severely damaged.</p>				
BURLEIGH COUNTY --- (BIS)BISMARCK MUNI A [46.78, -100.75]				
	07/07/20 22:40 CST		0	Thunderstorm Wind (MG 55 kt)
	07/07/20 22:43 CST		0	Source: ASOS
MCLEAN COUNTY --- 0.8 NW UNDERWOOD [47.46, -101.14]				
	07/07/20 22:40 CST		3K	Thunderstorm Wind (EG 61 kt)
	07/07/20 22:43 CST		0	Source: Public
<p>Large tree branches were down.</p>				
MCLEAN COUNTY --- 0.5 W GARRISON [47.65, -101.43]				
	07/07/20 22:42 CST		0	Thunderstorm Wind (MG 71 kt)
	07/07/20 22:45 CST		0	Source: ASOS
MCLEAN COUNTY --- 1.7 NW WASHBURN [47.30, -101.04]				
	07/07/20 22:42 CST		0.15M	Thunderstorm Wind (MG 72 kt)
	07/07/20 22:45 CST		0	Source: Mesonet
<p>Many trees were blown down in the park along the river in Washburn, at the 4-H camp, and throughout the city. The concession stand and outhouses were blown over at the baseball park. Some buildings were damaged.</p>				
MCLEAN COUNTY --- 2.0 WSW GARRISON MUNI ARPT [47.62, -101.42]				
	07/07/20 22:42 CST		10K	Thunderstorm Wind (EG 61 kt)
	07/07/20 22:44 CST		0	Source: Public
<p>Garage door blown in.</p>				
BURLEIGH COUNTY --- 3.2 WNW BISMARCK [46.82, -100.83]				
	07/07/20 22:46 CST		0	Thunderstorm Wind (MG 62 kt)
	07/07/20 22:48 CST		0	Source: Mesonet

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WARD COUNTY --- 6.2 S SAWYER [47.99, -101.05]				
	07/07/20 22:46 CST		0	Thunderstorm Wind (MG 52 kt)
	07/07/20 22:48 CST		0	Source: Mesonet
MCLEAN COUNTY --- 3.6 NNW TURTLE LAKE [47.57, -100.92]				
	07/07/20 22:56 CST		20K	Thunderstorm Wind (MG 68 kt)
	07/07/20 22:58 CST		0	Source: Mesonet
Many trees were damaged in the area.				
BURLEIGH COUNTY --- 2.0 NE STERLING [46.84, -100.25]				
	07/07/20 23:11 CST		0	Thunderstorm Wind (MG 53 kt)
	07/07/20 23:13 CST		0	Source: Mesonet
STUTSMAN COUNTY --- 4.3 SE WINDSOR [46.86, -98.96]				
	07/07/20 23:12 CST		0	Hail (2.00 in)
	07/07/20 23:15 CST		0	Source: Public
BURLEIGH COUNTY --- 1.9 E MOFFIT [46.68, -100.24]				
	07/07/20 23:16 CST		0	Thunderstorm Wind (MG 58 kt)
	07/07/20 23:19 CST		0	Source: RAW5
MCHEMRY COUNTY --- 1.4 W ANAMOOSSE [47.88, -100.26], 0.1 WSW ANAMOOSSE [47.88, -100.23]				
	07/07/20 23:30 CST		0.85M	Thunderstorm Wind (EG 78 kt)
	07/07/20 23:35 CST		0	Source: Emergency Manager
A fertilizer and chemical storage building to the west of Anamoose was destroyed. A one-half mile stretch of power lines were down onto Highway 52. Many trees were severely damaged or toppled within the city of Anamoose, with vehicles and some structures damaged.				
WELLS COUNTY --- 1.6 WSW CHASELEY [47.44, -99.83]				
	07/07/20 23:31 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/07/20 23:33 CST		0	Source: Trained Spotter
Large tree branches were down.				
WELLS COUNTY --- 1.4 W HARVEY [47.77, -99.93]				
	07/07/20 23:35 CST		3K	Thunderstorm Wind (EG 61 kt)
	07/07/20 23:35 CST		0	Source: Public
Large tree branches were down.				
PIERCE COUNTY --- 3.0 S RUGBY [48.33, -99.98]				
	07/07/20 23:55 CST		25K	Thunderstorm Wind (EG 75 kt)
	07/08/20 00:00 CST		0	Source: Public
Multiple power poles were snapped.				
FOSTER COUNTY --- CARRINGTON ARPT [47.45, -99.15]				
	07/07/20 23:59 CST		0	Thunderstorm Wind (MG 52 kt)
	07/08/20 00:02 CST		0	Source: AWOS
ROLETTE COUNTY --- 0.8 SSW ROLETTE [48.66, -99.84]				
	07/08/20 00:00 CST		2K	Thunderstorm Wind (EG 63 kt)
	07/08/20 00:04 CST		0	Source: Emergency Manager
A large tree blew over.				

A line of severe thunderstorms developed to the east of the Rocky Mountains in Montana, which quickly developed east during the late afternoon and early evening hours. A second area of storms lifted from the Bighorn Mountains towards the east-northeast. These broad lines of thunderstorms entered western North Dakota during the mid to late evening hours. Widespread damaging winds

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occurred, along with one tornado, as they moved through western and central North Dakota. Late in the episode, a strong low level jet developed ahead of the advancing line of strong winds, producing thunderstorms over the James River Valley, with one severe thunderstorm producing two inch diameter hail in Sutsman County. The strongest wind gust was estimated to be 90 mph around Anamoose, McHenry County, where a building was destroyed, other buildings and vehicles were damaged, and widespread tree damage occurred. A tornado also developed along the line of thunderstorms in Oliver County, causing tree damage at Cross Ranch State Park.

GOLDEN VALLEY COUNTY --- 0.8 NW GOLVA [46.74, -103.99]

	07/10/20 13:26 MST	0	Hail (0.88 in)
	07/10/20 13:28 MST	0	Source: Trained Spotter

GOLDEN VALLEY COUNTY --- 9.0 ESE GOLVA [46.66, -103.82]

	07/10/20 13:36 MST	0	Thunderstorm Wind (EG 56 kt)
	07/10/20 13:39 MST	0	Source: Trained Spotter

Thunderstorm wind gusts of 65 mph were estimated by a trained spotter.

HETTINGER COUNTY --- 3.5 N BENTLEY [46.38, -102.06]

	07/10/20 15:45 MST	0	Thunderstorm Wind (MG 55 kt)
	07/10/20 15:47 MST	0	Source: RAWS

STARK COUNTY --- 0.8 NW BELFIELD [46.89, -103.21]

	07/10/20 16:49 MST	0	Hail (1.50 in)
	07/10/20 16:52 MST	0	Source: Public

STARK COUNTY --- BELFIELD [46.88, -103.20]

	07/10/20 16:51 MST	0	Hail (1.00 in)
	07/10/20 16:54 MST	0	Source: Public

Thunderstorms developed ahead of a potent upper level short-wave trough over western North Dakota. Some storms became severe over southwest North Dakota producing large hail and strong wind gusts. The largest hail was the size of a ping pong ball, and fell in Stark County. The strongest thunderstorm wind gust was estimated at 65 mph, which occurred in Golden Valley County.

WILLIAMS COUNTY --- 6.4 SSW MC GREGOR [48.52, -103.00]

	07/12/20 19:38 CST	0	Hail (1.00 in)
	07/12/20 19:41 CST	0	Source: Public

BILLINGS COUNTY --- 15.6 SSW SULLY SPGS [46.65, -103.47]

	07/12/20 20:40 MST	0	Hail (0.88 in)
	07/12/20 20:43 MST	0	Source: Trained Spotter

STARK COUNTY --- 3.6 NW DICKINSON [46.92, -102.83]

	07/12/20 21:30 MST	0	Hail (0.88 in)
	07/12/20 21:32 MST	0	Source: Trained Spotter

BILLINGS COUNTY --- 5.3 SW MEDORA [46.86, -103.60]

	07/12/20 22:08 MST	0	Hail (2.00 in)
	07/12/20 22:11 MST	0	Source: Public

BILLINGS COUNTY --- 7.6 S FAIRFIELD [47.07, -103.21]

	07/12/20 22:12 MST	0	Hail (1.50 in)
	07/12/20 22:15 MST	0	Source: Public

BILLINGS COUNTY --- 0.5 E MEDORA [46.92, -103.52]

	07/12/20 22:14 MST	0	Hail (1.50 in)
	07/12/20 22:18 MST	0	Source: Law Enforcement

DUNN COUNTY --- 7.8 WNW NEW HRADEC [47.06, -103.02]

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	07/12/20 22:30 MST		0	Hail (0.88 in)
	07/12/20 22:33 MST		0	Source: Trained Spotter
<hr/>				
WARD COUNTY --- 1.5 SSE (MOT)MINOT INTL ARPT [48.25, -101.27]				
	07/13/20 02:52 CST		0	Thunderstorm Wind (MG 54 kt)
	07/13/20 02:55 CST		0	Source: ASOS
<p>Thunderstorms developed earlier in the evening ahead of a surface trough, with thunderstorms later in the evening supported by the development of a low-level jet. Some storms became severe over western North Dakota. The largest hail reported was two inches in diameter, in Billings County, and the strongest wind gust was 62 mph in Ward County.</p>				
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PIERCE COUNTY --- 0.5 WSW RUGBY [48.37, -99.99]				
	07/13/20 11:00 CST		0	Hail (1.00 in)
	07/13/20 11:03 CST		0	Source: Public
<hr/>				
PIERCE COUNTY --- 0.8 NNW RUGBY [48.38, -99.99]				
	07/13/20 11:00 CST		0	Hail (0.88 in)
	07/13/20 11:03 CST		0	Source: Trained Spotter
<hr/>				
PIERCE COUNTY --- WOLFORD [48.50, -99.70]				
	07/13/20 11:30 CST		0	Hail (1.00 in)
	07/13/20 11:33 CST		0	Source: Public
<p>A line of thunderstorms developed along a surface trough over central North Dakota. A couple of storms became severe over Pierce County, producing one-inch diameter hail.</p>				
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WARD COUNTY --- 10.1 SSW BERTHOLD [48.18, -101.79]				
	07/17/20 12:27 CST		0	Hail (1.75 in)
	07/17/20 12:30 CST		0	Source: Public
<hr/>				
ROLETTE COUNTY --- 0.8 SSW ROLETTE [48.66, -99.84]				
	07/17/20 12:49 CST		0	Thunderstorm Wind (EG 52 kt)
	07/17/20 12:52 CST		0	Source: Emergency Manager
<p>Thunderstorm wind gusts to 60 mph were estimated by the Emergency Manager.</p>				
<hr/>				
ROLETTE COUNTY --- 0.8 SSW ROLETTE [48.66, -99.84]				
	07/17/20 12:56 CST		0	Hail (1.00 in)
	07/17/20 12:59 CST		0	Source: Public
<hr/>				
ROLETTE COUNTY --- 0.8 SSW ROLETTE [48.66, -99.84]				
	07/17/20 13:00 CST		0	Hail (1.00 in)
	07/17/20 13:02 CST		0	Source: COOP Observer
<hr/>				
WARD COUNTY --- 1.1 NW MINOT [48.24, -101.30]				
	07/17/20 13:07 CST		0	Hail (1.75 in)
	07/17/20 13:09 CST		0	Source: Broadcast Media
<hr/>				
WARD COUNTY --- 2.9 WNW SURREY [48.24, -101.19]				
	07/17/20 13:09 CST		0	Hail (1.75 in)
	07/17/20 13:11 CST		0	Source: Public
<hr/>				
PIERCE COUNTY --- 2.0 WNW RUGBY [48.38, -100.02]				
	07/17/20 13:21 CST		0	Thunderstorm Wind (MG 58 kt)
	07/17/20 13:24 CST		0	Source: AWOS
<hr/>				
WARD COUNTY --- 1.1 NW (MOT)MINOT INTL ARPT [48.28, -101.30]				
	07/17/20 13:25 CST		0	Hail (2.00 in)
	07/17/20 13:28 CST		0	Source: Trained Spotter

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WARD COUNTY --- 4.7 SE (MIB)MINOT AFB [48.38, -101.30]				
	07/17/20 13:25 CST	0		Hail (1.00 in)
	07/17/20 13:27 CST	0		Source: Amateur Radio
PIERCE COUNTY --- 7.2 SSW BARTON [48.41, -100.25]				
	07/17/20 14:48 CST	0		Thunderstorm Wind (EG 52 kt)
	07/17/20 14:50 CST	0		Source: Trained Spotter
Wind gusts to 60 mph were estimated by a trained spotter.				
PIERCE COUNTY --- 4.9 S BARTON [48.43, -100.18]				
	07/17/20 15:00 CST	0		Thunderstorm Wind (EG 52 kt)
	07/17/20 15:03 CST	0		Source: Trained Spotter
Wind gusts to 60 mph were estimated by a trained spotter.				
MCHEMRY COUNTY --- 0.7 S SIMCOE [48.16, -100.87]				
	07/17/20 16:00 CST	0		Hail (1.75 in)
	07/17/20 16:03 CST	0		Source: Broadcast Media
MCLEAN COUNTY --- RUSO [47.83, -100.93]				
	07/17/20 16:31 CST	0		Hail (1.75 in)
	07/17/20 16:36 CST	0		Source: Trained Spotter
MCHEMRY COUNTY --- 3.5 N VELVA [48.12, -100.94]				
	07/17/20 16:37 CST	0		Hail (2.00 in)
	07/17/20 16:40 CST	0		Source: Trained Spotter
MCHEMRY COUNTY --- 0.5 W ANAMOOSSE [47.88, -100.24]				
	07/17/20 16:48 CST	0		Hail (1.50 in)
	07/17/20 16:51 CST	0		Source: Public
MCLEAN COUNTY --- 3.5 N MERCER [47.53, -100.71]				
	07/17/20 17:05 CST	0		Hail (1.25 in)
	07/17/20 17:08 CST	0		Source: Public
SHERIDAN COUNTY --- 1.5 NNE MCCLUSKY [47.50, -100.44]				
	07/17/20 17:20 CST	0		Hail (1.75 in)
	07/17/20 17:23 CST	0		Source: Public
MORTON COUNTY --- 1.4 E MANDAN [46.83, -100.87]				
	07/17/20 17:30 CST	0		Hail (1.00 in)
	07/17/20 17:33 CST	0		Source: Public
BURLEIGH COUNTY --- 3.7 NNW BISMARCK [46.85, -100.80]				
	07/17/20 17:40 CST	0		Hail (1.00 in)
	07/17/20 17:43 CST	0		Source: Public
FOSTER COUNTY --- CARRINGTON [47.45, -99.13]				
	07/17/20 17:42 CST	0		Thunderstorm Wind (EG 52 kt)
	07/17/20 17:44 CST	0		Source: Trained Spotter
Wind gusts to 60 mph were reported by a trained spotter.				
BURLEIGH COUNTY --- 2.9 NNW BISMARCK [46.84, -100.79]				
	07/17/20 17:48 CST	0		Hail (0.88 in)
	07/17/20 17:50 CST	0		Source: Public

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BURLEIGH COUNTY --- 5.2 W BALDWIN [47.02, -100.88]				
	07/17/20 17:55 CST		0	Hail (2.00 in)
	07/17/20 17:58 CST		0	Source: Public
BURLEIGH COUNTY --- 0.9 E BALDWIN [47.03, -100.75]				
	07/17/20 18:15 CST		0	Hail (1.50 in)
	07/17/20 18:17 CST		0	Source: Public
STUTSMAN COUNTY --- 9.4 NNW WOODWORTH [47.28, -99.36]				
	07/17/20 18:42 CST		0	Hail (1.00 in)
	07/17/20 18:45 CST		0	Source: Trained Spotter
KIDDER COUNTY --- 1.2 NW TAPPEN [46.88, -99.64]				
	07/17/20 20:00 CST		15K	Thunderstorm Wind (EG 61 kt)
	07/17/20 20:03 CST		0	Source: Broadcast Media
Power lines were blown down.				
STUTSMAN COUNTY --- 0.5 W MONTPELIER [46.70, -98.59]				
	07/17/20 20:15 CST		0	Thunderstorm Wind (EG 52 kt)
	07/17/20 20:18 CST		0	Source: COOP Observer
Wind gusts to 60 mph were reported by a COOP Observer.				
STUTSMAN COUNTY --- 9.6 NNW WOODWORTH [47.28, -99.37]				
	07/17/20 20:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/17/20 20:43 CST		0	Source: Trained Spotter
Wind gusts to 60 mph were reported by a trained spotter.				
<p>Thunderstorms developed early in the afternoon as a modest cold front pushed through the region along with an upper level short wave trough. Strong instability was noted over western and central North Dakota which led to severe thunderstorm development. The largest hail was two inches in diameter, which occurred in Ward, McHenry, and Burleigh counties. The strongest thunderstorm wind gusts were estimated at 70 mph, which occurred in Kidder County.</p>				
ROLETTE COUNTY --- 4.3 WNW NANSON [48.60, -99.86]				
	07/20/20 12:15 CST		0	Funnel Cloud
	07/20/20 12:16 CST		0	Source: Public
WILLIAMS COUNTY --- 11.1 SSE WHEELLOCK [48.16, -103.13]				
	07/20/20 12:21 CST		0	Funnel Cloud
	07/20/20 12:24 CST		0	Source: Public
FOSTER COUNTY --- 1.4 N CARRINGTON [47.47, -99.13]				
	07/20/20 12:45 CST		0	Funnel Cloud
	07/20/20 12:47 CST		0	Source: Law Enforcement
MCLEAN COUNTY --- 7.2 NNW RAUB [47.84, -102.13]				
	07/20/20 13:22 CST		0	Funnel Cloud
	07/20/20 13:24 CST		0	Source: Public
MOUNTRAIL COUNTY --- 4.9 S ROSS [48.25, -102.55]				
	07/20/20 14:02 CST		0	Funnel Cloud
	07/20/20 14:05 CST		0	Source: Public
MCLEAN COUNTY --- 4.3 SW ROSEGLEN [47.71, -101.90], 4.0 SW ROSEGLEN [47.71, -101.90]				
	07/20/20 14:10 CST		0	Tornado (EFU, L: 0.23 mi , W: 25 yd)
	07/20/20 14:12 CST		0	Source: Emergency Manager

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The tornado touched down in an open field northwest of White Shield. There was no damage to evaluate and so by National Weather Service policy the tornado is rated EF Unknown.

MCLEAN COUNTY --- 3.3 ENE MAX [47.83, -101.23]

	07/20/20 15:50 CST		0	Funnel Cloud
	07/20/20 15:52 CST		0	Source: Law Enforcement

Shows and thunderstorms developed along a warm front ahead of an approaching upper level short-wave trough in an area of elevated low to mid level vorticity. Multiple funnel clouds developed, with one touching down and becoming a brief tornado near White Shield in McLean County. The tornado did not impact any structures. There was no damage to evaluate and so by National Weather Service policy the tornado is rated EF Unknown.

BURKE COUNTY --- 1.6 SSE PORTAL [48.98, -102.53]

	07/23/20 05:40 CST		0	Hail (1.50 in)
	07/23/20 05:44 CST		0	Source: Public

ROLETTE COUNTY --- 4.1 W ST JOHN [48.94, -99.77]

	07/23/20 11:06 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/23/20 11:09 CST		0	Source: Public

Several large tree branches were blown down.

Thunderstorms developed along the nose of a low level jet during the morning hours, with some storms lingering into mid-day before exiting the state into Canada. Two storms became severe, with one producing ping pong ball size hail in Burke County, and the other producing estimated 70 mph wind gusts in Rolette County.

BOTTINEAU COUNTY --- 0.7 S WESTHOPE [48.91, -101.02]

	07/24/20 01:26 CST		3K	Thunderstorm Wind (EG 52 kt)
	07/24/20 01:29 CST		0	Source: Public

Shingles were blown off a roof.

Thunderstorms increased in coverage over northwest and north central North Dakota along the nose of a low-level jet in an area of strong instability. One severe thunderstorm was reported, which produced estimated 60 mph wind gusts in Bottineau County.

KIDDER COUNTY --- 9.1 NNW STEELE MUNI ARPT [46.97, -100.06]

	07/24/20 17:15 CST		0	Hail (1.75 in)
	07/24/20 17:18 CST		0	Source: Public

A short-wave trough moving through the region led to thunderstorms developing over parts of North Dakota. One thunderstorm became severe, producing golf ball size hail in Kidder County.

ADAMS COUNTY --- 0.5 W HETTINGER [46.00, -102.64]

	07/25/20 14:06 MST		0	Hail (1.25 in)
	07/25/20 14:08 MST		0	Source: Trained Spotter

SIOUX COUNTY --- 24.9 W SELFRIDGE [46.04, -101.45]

	07/25/20 15:48 MST		0.15M	Thunderstorm Wind (EG 70 kt)
	07/25/20 15:51 MST		0	Source: Public

A large barn was blown over, and heavy tree damage occurred.

SIOUX COUNTY --- 22.6 W SELFRIDGE [46.06, -101.40]

	07/25/20 15:54 MST		20K	Thunderstorm Wind (EG 56 kt)
	07/25/20 15:57 MST		0	Source: Public

Severe tree damage occurred.

SIOUX COUNTY --- 9.1 N SELFRIDGE [46.16, -100.90]

	07/25/20 16:32 MST		0	Thunderstorm Wind (MG 53 kt)
	07/25/20 16:35 MST		0	Source: Mesonet

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EMMONS COUNTY --- 3.1 SSW TEMVIK [46.33, -100.28]				
	07/25/20 19:02 CST		0	Thunderstorm Wind (MG 57 kt)
	07/25/20 19:05 CST		0	Source: Mesonet
EMMONS COUNTY --- 14.9 ENE STRASBURG [46.25, -99.91]				
	07/25/20 19:18 CST		0	Thunderstorm Wind (EG 52 kt)
	07/25/20 19:20 CST		0	Source: Trained Spotter
Wind gusts to 60 mph were estimated by a trained spotter.				
LOGAN COUNTY --- 12.9 SSW NAPOLEON [46.34, -99.91]				
	07/25/20 19:20 CST		5K	Thunderstorm Wind (EG 61 kt)
	07/25/20 19:23 CST		0	Source: Public
Tree branches to three inches in diameter were broken.				
EMMONS COUNTY --- 6.8 ESE TEMVIK [46.35, -100.11]				
	07/25/20 19:30 CST		0	Thunderstorm Wind (EG 52 kt)
	07/25/20 19:33 CST		0	Source: Trained Spotter
Thunderstorm wind gusts to 60 mph were estimated by a trained spotter.				
LOGAN COUNTY --- 6.2 S BURNSTAD [46.29, -99.63]				
	07/25/20 19:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/25/20 19:53 CST		0	Source: Trained Spotter
Thunderstorm wind gusts to 60 mph were estimated by a trained spotter.				
<p>Thunderstorms developed along and behind a cold front advancing through North Dakota, as a short wave-trough approached. The cold front pushed into an area of enhanced instability and deep layer shear over southwest and south central North Dakota during the late afternoon and evening hours. Early in the event, large hail was the main threat, with half-dollar diameter size hail reported in Adams County. Damaging winds then became the primary threat as the thunderstorms pushed east. The strongest wind gust was estimated to be 80 mph in Sioux County, which destroyed a large barn.</p>				
STARK COUNTY --- 6.2 S (DIK)DICKINSON MUNI [46.71, -102.79]				
	07/31/20 12:25 MST		0	Thunderstorm Wind (EG 52 kt)
	07/31/20 12:28 MST		0	Source: Public
Thunderstorm wind gusts to 60 mph were estimated by the public.				
STARK COUNTY --- 0.8 NE (DIK)DICKINSON MUNI [46.81, -102.79]				
	07/31/20 12:26 MST		0	Thunderstorm Wind (MG 51 kt)
	07/31/20 12:29 MST		0	Source: ASOS
STARK COUNTY --- 1.2 SW LEFOR [46.67, -102.57]				
	07/31/20 12:52 MST		0	Thunderstorm Wind (EG 61 kt)
	07/31/20 13:07 MST		0	Source: Trained Spotter
Thunderstorm wind gusts to 70 mph were estimated by a trained spotter.				
HETTINGER COUNTY --- 2.1 NNE BENTLEY [46.36, -102.06]				
	07/31/20 13:50 MST		0	Thunderstorm Wind (MG 55 kt)
	07/31/20 13:53 MST		0	Source: Mesonet
<p>Thunderstorms over eastern Montana ahead of a short-wave trough moved into southwest North Dakota during the mid-day hours. Some of the thunderstorms became severe with strong wind gusts over southwest North Dakota. The strongest wind gust was estimated to be 70 mph and occurred in Stark County.</p>				