

## Storm Data and Unusual Weather Phenomena - May 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NORTH DAKOTA, Central and West</b>				
<b>STARK (ND-Z033)</b>				
	05/03/07 12:00 CST		0	High Wind (MAX 39 kt)
	05/03/07 14:00 CST		0	
<p>A low pressure system developing in eastern Montana created a tight pressure gradient over western and central North Dakota. This resulted in high winds during the late morning and afternoon hours of Thursday, May 3rd. All winds were below warning criteria with the exception of Dickinson in Stark County. Sustained winds here reached 45 mph with gusts to 56 mph around 11:03 AM MST.</p>				
<b>DICKEY COUNTY</b>				
7.0 E ELLENDALE	05/05/07 21:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	05/06/07 02:00 CST		0	46N, 98.3743W
<p>Reported rainfall amounts up to 5 inches caused street flooding, basement flooding, and water standing in fields.</p>				
<b>LA MOURE COUNTY</b>				
ADRIAN	05/05/07 21:30 CST		0.20M	Flash Flood (due to Heavy Rain)
GRAND RAPIDS	05/06/07 02:00 CST		0	46.6N, 98.55W ~ 46.45N, 98.37W
<p>Reported rainfall amounts of 3 to 5 inches caused street flooding, basement flooding, water to be standing in fields, and gravel roads being washed out. Flash flooding was reported from Adrian to Dickey and Grand Rapids, to Marion.</p> <p>A surface low pressure system along with a strong upper level disturbance brought continuous showers and thunderstorms over portions of central North Dakota Saturday May 5th. The heaviest rainfall amounts (3 to 5 inches) occurred across eastern LaMoure and Dickey counties, along with numerous flash flood reports.</p>				
<b>MERCER COUNTY</b>				
4.0 ESE HAZEN	05/06/07 13:10 MST		0	Funnel Cloud
	05/06/07 13:13 MST		0	47.2779N, 101.551W
<p>Public reports from a distance indicated that this was a tornado, however, a Mercer County Sheriff's Deputy very near reported that this funnel cloud was short lived and did not touch the ground.</p> <p>Tornado watch number 245 was issued for the afternoon of Sunday, May 6, for a large part of central North Dakota. Two severe thunderstorm warnings and three tornado warnings were issued for Grant, Sioux, and Morton counties. The only report was of a funnel cloud in Mercer County, otherwise no reports of severe weather were received.</p>				
<b>PIERCE COUNTY</b>				
RUGBY	05/06/07 15:40 CST		0	Hail (1.00 in)
	05/06/07 15:44 CST		0	48.37N, 99.98W
<p>An isolated severe thunderstorm produced large hail in Pierce County.</p>				
<b>MCKENZIE COUNTY</b>				
WATFORD CITY	05/13/07 20:40 MST		0	Thunderstorm Wind (EG 52 kt)
	05/13/07 20:51 MST		0	47.8N, 103.28W
<b>GOLDEN VALLEY COUNTY</b>				
GOLVA	05/13/07 21:10 MST		0	Thunderstorm Wind (EG 56 kt)
	05/13/07 21:21 MST		0	46.73N, 103.98W
<b>SLOPE COUNTY</b>				
MARMARTH	05/13/07 21:10 MST		40K	Thunderstorm Wind (MG 68 kt)
26.0 NE MARMARTH	05/13/07 21:31 MST		0	46.3N, 103.9W ~ 46.5658N, 103.514W
<p>A shop that was under construction was collapsed. Grain bin 1 mile east of Marmarth was damaged along with the roof of a farm outbuilding torn off. A horse trailer was tipped 1 mile northeast of Marmarth. The Sand Creek RAWS site 26 miles northeast of Marmarth measured a 78 mph gust around 1130 PM CDT.</p>				
<b>BOWMAN COUNTY</b>				
BOWMAN	05/13/07 21:30 MST		5K	Thunderstorm Wind (EG 56 kt)
	05/13/07 21:40 MST		0	46.18N, 103.4W

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Trees down in Bowman.				
<b>SLOPE COUNTY</b>				
AMIDON	05/13/07 22:00 MST		0	Thunderstorm Wind (EG 56 kt)
	05/13/07 22:12 MST		0	46.48N, 103.32W
<b>BOWMAN COUNTY</b>				
SCRANTON	05/13/07 22:05 MST		0	Thunderstorm Wind (EG 56 kt)
	05/13/07 22:17 MST		0	46.15N, 103.13W
<b>BILLINGS COUNTY</b>				
7.0 E MEDORA	05/13/07 22:10 MST		0	Thunderstorm Wind (EG 61 kt)
	05/13/07 22:20 MST		0	46.92N, 103.382W
<b>STARK COUNTY</b>				
5.0 S BELFIELD	05/13/07 22:10 MST		50K	Thunderstorm Wind (EG 65 kt)
7.0 S BELFIELD	05/13/07 22:25 MST		0	46.8077N, 103.2W ~ 46.7788N, 103.2W
Machine shed on farm destroyed 5 miles south of Belfield. Barn 7 miles south of Belfield was damaged.				
<b>HETTINGER COUNTY</b>				
10.0 SW REGENT	05/13/07 22:15 MST		0	Thunderstorm Wind (EG 52 kt)
	05/13/07 22:27 MST		0	46.3178N, 102.698W
<b>ADAMS COUNTY</b>				
HETTINGER	05/13/07 22:24 MST		0	Thunderstorm Wind (MG 52 kt)
	05/13/07 22:36 MST		0	46N, 102.63W
<b>STARK COUNTY</b>				
DICKINSON ARPT	05/13/07 22:27 MST		0	Thunderstorm Wind (MG 62 kt)
	05/13/07 22:40 MST		0	46.8N, 102.8W
<b>STARK COUNTY</b>				
RICHARDTON	05/13/07 23:00 MST		7K	Thunderstorm Wind (MG 67 kt)
	05/13/07 23:10 MST		0	46.88N, 102.32W
2 1/2 foot diameter ash tree 70 feet tall fell over onto house.				
<b>BILLINGS COUNTY</b>				
6.0 ESE MEDORA	05/13/07 23:13 MST		0	Thunderstorm Wind (EG 61 kt)
	05/13/07 23:26 MST		0	46.8868N, 103.413W
RAWS site near Painted Canyon visitor center.				
<b>GRANT COUNTY</b>				
CARSON	05/13/07 23:30 MST		0	Thunderstorm Wind (EG 56 kt)
	05/13/07 23:40 MST		0	46.42N, 101.57W
<b>MORTON COUNTY</b>				
NEW SALEM	05/14/07 00:50 CST		0	Thunderstorm Wind (MG 60 kt)
	05/14/07 01:05 CST		0	46.85N, 101.42W
<b>OLIVER COUNTY</b>				
CENTER	05/14/07 01:05 CST		1K	Thunderstorm Wind (EG 61 kt)
	05/14/07 01:15 CST		0	47.12N, 101.3W
Damage to observers home. Soffit and gutter was torn off.				
<b>DUNN (ND-Z018), MERCER (ND-Z019), OLIVER (ND-Z020), STARK (ND-Z033), MORTON (ND-Z034)</b>				
	05/14/07 01:15 CST		0	High Wind (MAX 39 kt)
	05/14/07 03:45 CST		0	

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<b>BURLEIGH COUNTY</b>				
BISMARCK ARPT	05/14/07 01:18 CST		0	Thunderstorm Wind (MG 55 kt)
	05/14/07 01:28 CST		0	46.78N, 100.75W
<b>MCLEAN COUNTY</b>				
WILTON	05/14/07 01:30 CST		0	Thunderstorm Wind (EG 52 kt)
WASHBURN	05/14/07 01:45 CST		0	47.17N, 100.8W ~ 47.28N, 101.02W
<b>KIDDER COUNTY</b>				
TAPPEN	05/14/07 02:15 CST		0	Thunderstorm Wind (MG 52 kt)
	05/14/07 02:25 CST		0	46.87N, 99.62W
NDAWN site.				
<b>STUTSMAN COUNTY</b>				
JAMESTOWN ARPT	05/14/07 03:08 CST		0	Thunderstorm Wind (MG 50 kt)
	05/14/07 03:17 CST		0	46.93N, 98.68W
<p>On Sunday evening of May 13th, a cluster of thunderstorms developed over the Big Horn Mountains of southeast Montana. The storms then developed into a bow echo complex of thunderstorms later that evening. This bow echo moved across southwest North Dakota late in the evening of May 13th, and across south central North Dakota in the early morning hours of Monday May 14th. Numerous reports of severe thunderstorm wind gusts and damage were received from this line of thunderstorms. Severe Thunderstorm Watch 269 was issued for much of west and central North Dakota during the late evening of May 13th. Severe Thunderstorm Watch 270 was issued to include additional counties in central North Dakota during the early morning hours of May 14. Also, in the wake of the convection, high wind warnings were issued for southwest North Dakota as wind speeds over high wind criteria continued for nearly 3 hours after the storms had ended.</p>				
<b>MOUNTRAIL COUNTY</b>				
7.0 N PALERMO	05/18/07 15:15 CST		0	Hail (1.75 in)
	05/18/07 15:22 CST		0	48.4312N, 102.22W
<b>WARD COUNTY</b>				
15.0 SW SAWYER	05/18/07 15:35 CST		0	Hail (1.75 in)
	05/18/07 15:43 CST		0	47.9267N, 101.279W
<b>WARD COUNTY</b>				
12.0 SSE SOUTH PRAIRIE	05/18/07 16:05 CST		0	Hail (1.00 in)
	05/18/07 16:12 CST		0	47.8897N, 101.201W
<b>WARD COUNTY</b>				
8.0 NE DOUGLAS	05/18/07 16:30 CST		0	Hail (1.75 in)
12.0 NE DOUGLAS	05/18/07 16:40 CST		0	47.9318N, 101.378W ~ 47.9727N, 101.317W
Piles of hail were still on the ground until the afternoon of the 19th.				
<b>WARD COUNTY</b>				
1.0 SE MINOT	05/18/07 16:50 CST		0	Hail (0.88 in)
	05/18/07 16:59 CST		0	48.2198N, 101.265W
<b>WARD COUNTY</b>				
SURREY	05/18/07 17:02 CST		0	Hail (1.50 in)
	05/18/07 17:10 CST		0	48.23N, 101.13W
<b>WARD COUNTY</b>				
4.0 SE MINOT	05/18/07 17:03 CST		0	Hail (1.00 in)
	05/18/07 17:12 CST		0	48.1891N, 101.219W
<b>MORTON COUNTY</b>				
3.0 S ALMONT	05/18/07 18:06 CST		0	Hail (1.25 in)
	05/18/07 18:13 CST		0	46.6866N, 101.5W

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<b>WARD COUNTY</b>				
(MIB)MINOT AFB	05/18/07 18:15 CST		0	Thunderstorm Wind (MG 55 kt)
	05/18/07 18:22 CST		0	48.43N, 101.37W
<b>MORTON COUNTY</b>				
NEW SALEM	05/18/07 20:10 CST		0	Thunderstorm Wind (MG 62 kt)
2.0 S NEW SALEM	05/18/07 20:23 CST		0	46.85N, 101.42W ~ 46.8211N, 101.42W
Automatic Position Reporting System site. Highest gust at 816 PM CST.				
<b>KIDDER COUNTY</b>				
8.0 E STEELE	05/18/07 21:30 CST		0	Hail (0.88 in)
	05/18/07 21:36 CST		0	46.85N, 99.7309W
40 mph wind and heavy rain.				
<p><b>On the afternoon of Friday May 18th, Severe Thunderstorm Watch 279 was issued in anticipation of severe thunderstorms developing along and south of a cold frontal boundary situated across western North Dakota. Numerous severe thunderstorm warnings were issued. Reports of large hail and severe thunderstorm wind gusts during the late afternoon and evening hours were received.</b></p>				
<b>MCKENZIE COUNTY</b>				
EAST FAIRVIEW	05/21/07 12:45 MST		0	Hail (1.75 in)
	05/21/07 12:50 MST		0	47.85N, 103.82W
<p><b>Early morning thunderstorms moved out of northeast Montana and into northwest North Dakota in the early morning of May 21. Only one report of severe weather was received.</b></p>				
<b>WARD COUNTY</b>				
MAKOTI	05/21/07 16:11 CST		0	Hail (1.75 in)
	05/21/07 16:21 CST		0	47.97N, 101.8W
1.27 inches of rain in 20 minutes.				
<b>MERCER COUNTY</b>				
5.0 NE BEULAH	05/21/07 16:17 MST		0	Hail (1.00 in)
	05/21/07 16:22 MST		0	47.3211N, 101.705W
<b>WARD COUNTY</b>				
9.0 ENE MAKOTI	05/21/07 16:53 CST		0	Hail (0.88 in)
	05/21/07 16:58 CST		0	48.0198N, 101.62W
<b>WARD COUNTY</b>				
5.0 E MINOT	05/21/07 17:12 CST		0	Hail (0.88 in)
	05/21/07 17:40 CST		0	48.23N, 101.171W
Hail lasted on and off for about 30 minutes.				
<b>MORTON COUNTY</b>				
GLEN ULLIN	05/21/07 17:20 CST		0	Hail (1.75 in)
	05/21/07 17:32 CST		0	46.82N, 101.83W
<b>SHERIDAN COUNTY</b>				
MCCLUSKY	05/21/07 17:20 CST		0	Hail (1.75 in)
	05/21/07 17:25 CST	1	0	47.48N, 100.45W
<p>One 60 year old female was injured by hail while outside. She heard the severe thunderstorm warning and went outside to secure property in anticipation of the storm. Golf ball size hail fell from a mostly sunny sky, hitting her in the head. She required 8 stiches to her forehead. The large hail was falling miles away from the storm core.</p>				
<b>BOTTINEAU COUNTY</b>				
LANSFORD	05/21/07 17:38 CST		0	Hail (0.75 in)
	05/21/07 17:44 CST		0	48.63N, 101.37W

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<b>MORTON COUNTY</b>				
HEBRON	05/21/07 17:43 CST		0	Hail (0.75 in)
	05/21/07 17:48 CST		0	46.9N, 102.03W
<b>SHERIDAN COUNTY</b>				
MCCLUSKY	05/21/07 17:45 CST		0	Hail (1.75 in)
	05/21/07 17:48 CST		0	47.48N, 100.45W
<b>MORTON COUNTY</b>				
4.0 NE GLEN ULLIN	05/21/07 18:15 CST		0	Tornado (EF0, L: 0.30 mi , W: 50 yd)
4.3 NE GLEN ULLIN	05/21/07 18:17 CST		0	46.8609N, 101.77W ~ 46.864N, 101.766W
The tornado was on the north side of Interstate 94. It hit no structures and did no damage. The report came from professional storm chasers. The tornado retreated completely back up into the parent thunderstorm. See tornado entry from the same date at 18:22 CST to 18:23 CST near the same location in Morton County.				
<b>MORTON COUNTY</b>				
10.0 ENE GLEN ULLIN	05/21/07 18:22 CST		0	Tornado (EF0, L: 0.20 mi , W: 35 yd)
10.2 ENE GLEN ULLIN	05/21/07 18:23 CST		0	46.8753N, 101.635W ~ 46.8764N, 101.631W
See tornado entry from the same date at 18:15 CST to 18:17 CST near the same location in Morton County. This tornado developed from the same parent thunderstorm as the earlier one. It was on the north side of Interstate 94, hit no structures and did no damage. This report came from a trained spotter. This tornado was very short lived, basically touched the ground and retreated back into the parent thunderstorm.				
<b>BOTTINEAU COUNTY</b>				
LANSFORD	05/21/07 18:38 CST		10K	Hail (1.00 in)
	05/21/07 18:43 CST		0	48.63N, 101.37W
Damage to siding on a few houses.				
<b>OLIVER COUNTY</b>				
3.0 W CENTER	05/21/07 18:45 CST		0.10K	Hail (1.00 in)
	05/21/07 18:52 CST		0	47.12N, 101.364W
One window broken due to the hail.				
<b>WARD COUNTY</b>				
5.0 E MAKOTI	05/21/07 18:50 CST		0	Hail (1.25 in)
	05/21/07 18:55 CST		0	47.97N, 101.692W
<b>OLIVER COUNTY</b>				
CENTER	05/21/07 18:57 CST		0	Thunderstorm Wind (EG 52 kt)
	05/21/07 19:03 CST		0	47.12N, 101.3W
0.57 inches of rain in a very short period of time. Very minor street flooding. Pea size hail.				
<b>PIERCE COUNTY</b>				
RUGBY	05/21/07 19:22 CST		0	Thunderstorm Wind (MG 57 kt)
	05/21/07 19:27 CST		0	48.37N, 99.98W
Storm total rain was 1.57 inches.				
<b>MCLEAN COUNTY</b>				
4.0 NNW WASHBURN	05/21/07 19:30 CST		0	Hail (1.00 in)
	05/21/07 19:35 CST		0	47.3334N, 101.053W
<b>ROLETTE COUNTY</b>				
ROLETTE	05/21/07 19:35 CST		0	Hail (2.00 in)
	05/21/07 19:40 CST		0	48.67N, 99.83W

In the early afternoon of Monday May 21st, Severe Thunderstorm Watch 282 was issued in anticipation of severe thunderstorms developing along and ahead of a cold frontal boundary approaching western North Dakota, and along a warm front over north central

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<b>North Dakota. Numerous severe thunderstorm warnings and several tornado warnings were issued. Over a dozen reports of large hail, several reports of severe thunderstorm wind gusts, and 2 confirmed tornado reports were received during the late afternoon and evening hours.</b>				
<b>SIOUX COUNTY</b>				
8.0 SW SELFRIDGE	05/25/07 13:44 MST	0		Hail (2.00 in)
	05/25/07 13:49 MST	0		45.9482N, 101.048W
Hail was followed by a funnel cloud. See entry for Sioux County 13:49 MST May 25, 2007.				
<b>SIOUX COUNTY</b>				
8.0 SW SELFRIDGE	05/25/07 13:49 MST	0		Funnel Cloud
	05/25/07 13:49 MST	0		45.9482N, 101.048W
Funnel began descending and quickly retreated back into the thunderstorm. Funnel followed a large hail event, 2 inches in diameter. See hail entry 13:44 MST May 25, 2007.				
<b>SIOUX COUNTY</b>				
SELFRIDGE	05/25/07 13:49 MST	0		Hail (0.75 in)
	05/25/07 13:54 MST	0		46.03N, 100.93W
<b>ADAMS COUNTY</b>				
HETTINGER	05/25/07 14:25 MST	0		Hail (1.00 in)
	05/25/07 14:30 MST	0		46N, 102.63W
<b>SIOUX COUNTY</b>				
7.0 N SELFRIDGE	05/25/07 15:20 MST	0		Funnel Cloud
	05/25/07 15:20 MST	0		46.1312N, 100.93W
Very brief funnel just below cloud base.				
<b>SIOUX COUNTY</b>				
7.0 N SELFRIDGE	05/25/07 15:26 MST	0		Tornado (EF0, L: 0.30 mi , W: 200 yd)
7.3 N SELFRIDGE	05/25/07 15:29 MST	0		46.1312N, 100.93W ~ 46.1355N, 100.93W
Brief touchdown reported by off-duty National Weather Service employee. The tornado hit no structures and did no damage. See funnel cloud entry 6 minutes earlier at the same location, 15:20 MST, May 25, 2007.				
<b>MORTON COUNTY</b>				
5.0 S MANDAN	05/25/07 16:45 CST	0		Hail (0.75 in)
	05/25/07 16:49 CST	0		46.7577N, 100.9W
<b>In the early afternoon of Friday May 25th, Severe Thunderstorm Watch 289 was issued in anticipation of severe thunderstorms developing along a cold front moving out of Wyoming and into the Dakotas. Several severe thunderstorm and tornado warnings were issued. Severe weather reports included a tornado, funnel clouds, and large hail.</b>				
<b>LOGAN COUNTY</b>				
GACKLE	05/28/07 23:55 CST	0		Hail (1.00 in)
	05/28/07 23:58 CST	0		46.63N, 99.13W
<b>FOSTER COUNTY</b>				
MC HENRY	05/29/07 02:00 CST	0		Hail (1.25 in)
	05/29/07 02:00 CST	0		47.58N, 98.6W
<b>In the late afternoon of Monday May 28th, Severe Thunderstorm Watch 302 was issued in anticipation of severe thunderstorms developing during the evening along and behind a surface front situated across south central North Dakota. Several severe thunderstorm warnings were issued. Two reports of large hail were received.</b>				