

## Storm Data and Unusual Weather Phenomena - August 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NORTH DAKOTA, Central and West</b>				
<b>SIOUX COUNTY --- 8.6 SSW CANNON BALL [46.27, -100.64]</b>				
	08/04/13 18:25 MST	0		Hail (0.88 in)
	08/04/13 18:30 MST	0		Source: Public
<p>A mid level short wave tracking along the North and South Dakota border was the focus for thunderstorm development late in the afternoon hours. A stronger storm produced sub-severe hail in eastern Sioux County in far south central North Dakota.</p>				
<b>BOWMAN COUNTY --- 8.5 NE SCRANTON [46.24, -103.01]</b>				
	08/05/13 18:30 MST	0		Thunderstorm Wind (EG 52 kt)
	08/05/13 18:35 MST	0		Source: Emergency Manager
<p>A severe thunderstorm wind gust was reported.</p>				
<b>WARD COUNTY --- 7.6 NNE NIOBE [48.78, -102.15]</b>				
	08/05/13 19:40 CST	0		Funnel Cloud
	08/05/13 19:50 CST	0		Source: Law Enforcement
<p>A funnel cloud developed, lasted for ten minutes, then dissipated.</p> <p>Severe thunderstorms developing over eastern Montana mostly dissipated as they moved into western North Dakota as they encountered a stronger mid level capping inversion. One storm held together and produced a severe thunderstorm wind gust in Bowman County. A brief funnel cloud was also reported in far northwestern Ward County.</p>				
<b>STUTSMAN COUNTY --- 0.8 NW JAMESTOWN [46.91, -98.71]</b>				
	08/06/13 14:33 CST	0		Hail (0.75 in)
	08/06/13 14:37 CST	0		Source: Trained Spotter
<p>An isolated thunderstorm moving through the James River Valley produced sub-severe hail at Jamestown.</p>				
<b>WILLIAMS COUNTY --- 0.5 W WILLISTON [48.15, -103.63]</b>				
	08/06/13 18:29 CST	0		Hail (0.75 in)
	08/06/13 18:34 CST	0		Source: Trained Spotter
<b>WILLIAMS COUNTY --- 0.8 SSE (ISN)SLOULIN FLD WIL [48.17, -103.64]</b>				
	08/06/13 18:29 CST	0		Hail (0.75 in)
	08/06/13 18:34 CST	0		Source: CoCoRaHS
<b>BILLINGS COUNTY --- 2.5 SW FAIRFIELD [47.15, -103.25]</b>				
	08/06/13 18:33 MST	0		Hail (0.75 in)
	08/06/13 18:38 MST	0		Source: Trained Spotter
<p>Winds up to 45 miles per hour were also reported.</p>				
<b>STARK COUNTY --- 3.3 E DICKINSON [46.88, -102.71]</b>				
	08/06/13 19:06 MST	0		Hail (0.88 in)
	08/06/13 19:12 MST	0		Source: Trained Spotter
<b>STARK COUNTY --- 3.2 WNW DICKINSON [46.89, -102.85]</b>				
	08/06/13 19:13 MST	0		Funnel Cloud
	08/06/13 19:17 MST	0		Source: Law Enforcement
<p>There were several reports of a funnel cloud on the west side of Dickinson. A broadcast media web cam reportedly depicted a brief funnel for thirty seconds around three thousand feet off the ground. Other reports of the funnel came from the public and local law enforcement.</p>				
<b>STARK COUNTY --- 3.1 W DICKINSON [46.88, -102.85], 1.5 SW DICKINSON [46.86, -102.80]</b>				
	08/06/13 19:15 MST	0.85M		Thunderstorm Wind (EG 78 kt)
	08/06/13 19:27 MST	0		Source: NWS Storm Survey

## Storm Data and Unusual Weather Phenomena - August 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>A National Weather Service Storm Survey was done on the west side of Dickinson where wind damage occurred. The very high winds blew the roof off a storage unit and blew doors in. The debris from this building was blown to the southeast, and resulted in additional damage to several other buildings and vehicles. The damage surveyed was consistent with straight line winds and not a tornado. The damage surveyed indicated peak wind speeds of approximately 90 miles per hour.</p>				

<b>STARK COUNTY --- 0.5 W (DIK)DICKINSON MUNI [46.80, -102.81]</b>				
	08/06/13 19:25 MST		0	Thunderstorm Wind (MG 76 kt)
	08/06/13 19:30 MST		0	Source: ASOS

The Dickinson Airport manager indicated there was no damage at or around the airport.

<b>STARK COUNTY --- 6.2 W LEFOR [46.69, -102.68]</b>				
	08/06/13 19:36 MST		0	Thunderstorm Wind (EG 52 kt)
	08/06/13 19:41 MST		0	Source: Public

This was a public report of very strong winds. Intermittent power outages were also reported.

<b>HETTINGER COUNTY --- 0.8 SW MOTT [46.37, -102.33]</b>				
	08/06/13 20:28 MST		0	Thunderstorm Wind (EG 52 kt)
	08/06/13 20:35 MST		0	Source: Trained Spotter

Pea size hail accompanied the strong winds.

**An instability axis stretching from northeast Montana through western North Dakota was the focus for evening thunderstorms as a mid level short wave pushed across the western Dakotas.**

**Storms initially remained sub-severe early in the evening, producing non-severe hail across Williams and Billings Counties. A small-scale supercell thunderstorm increased in strength as it approached the city of Dickinson in Stark County, and produced several microbursts from the west side of Dickinson, southeast across south central Stark County and into eastern Hettinger County. Winds up to 90 miles per hour were estimated from a storm survey conducted by the National Weather Service.**

## Storm Data and Unusual Weather Phenomena - August 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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*National Weather Service Storm Damage Survey Photo taken August 7, 2013 on the west side of Dickinson, North Dakota. Damage occurred on August 6.*

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**MCKENZIE COUNTY --- 0.5 E ALEXANDER [47.85, -103.64]**

08/10/13 13:29 MST	0		Hail (1.00 in)
08/10/13 13:35 MST	0		Source: Trained Spotter

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**MCKENZIE COUNTY --- 0.5 E ALEXANDER [47.85, -103.64]**

08/10/13 13:29 MST	0		Thunderstorm Wind (EG 52 kt)
08/10/13 13:35 MST	0		Source: Trained Spotter

Large hail accompanied the strong winds.

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**MCKENZIE COUNTY --- 0.8 SE ALEXANDER [47.84, -103.64]**

08/10/13 13:30 MST	0		Thunderstorm Wind (EG 52 kt)
08/10/13 13:36 MST	0		Source: Law Enforcement

Large hail accompanied the strong winds.

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**MCKENZIE COUNTY --- 0.8 SE ALEXANDER [47.84, -103.64]**

08/10/13 13:31 MST	0		Hail (1.00 in)
08/10/13 13:37 MST	0		Source: Law Enforcement

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**MCKENZIE COUNTY --- 0.5 E RAWSON [47.82, -103.54]**

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/10/13 13:35 MST		0	Hail (1.00 in)
	08/10/13 13:41 MST		0	Source: Public
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<b>MCKENZIE COUNTY --- 0.5 E RAWSON [47.82, -103.54]</b>				
	08/10/13 13:35 MST		55K	Thunderstorm Wind (EG 65 kt)
	08/10/13 13:41 MST		0	Source: Public
<p>The severe thunderstorm winds combined with large hail to result in damage to the siding on homes and businesses. In addition, a trailer was overturned by a severe wind gust.</p>				
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<b>MCKENZIE COUNTY --- 7.6 N FAIRVIEW [47.96, -104.02]</b>				
	08/10/13 14:23 MST		0	Hail (0.75 in)
	08/10/13 14:28 MST		0	Source: Trained Spotter
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<b>DUNN COUNTY --- 0.9 E KILLDEER [47.37, -102.75]</b>				
	08/10/13 15:39 MST		0	Thunderstorm Wind (EG 52 kt)
	08/10/13 15:44 MST		0	Source: Public
<p>Heavy rain accompanied the strong winds.</p>				
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<b>GOLDEN VALLEY COUNTY --- 13.5 SSE TROTTERS [47.13, -103.85]</b>				
	08/10/13 16:10 MST		0	Thunderstorm Wind (EG 52 kt)
	08/10/13 16:15 MST		0	Source: Trained Spotter
<p>Heavy rain accompanied the strong winds.</p>				
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<b>GOLDEN VALLEY COUNTY --- BEACH [46.92, -104.00]</b>				
	08/10/13 16:15 MST		0	Thunderstorm Wind (EG 52 kt)
	08/10/13 16:24 MST		0	Source: Trained Spotter
<p>Very heavy rain accompanied the strong winds.</p>				
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<b>SLOPE COUNTY --- 12.1 ENE AMIDON [46.54, -103.08]</b>				
	08/10/13 17:48 MST		0	Hail (0.75 in)
	08/10/13 17:53 MST		0	Source: Trained Spotter
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<b>SLOPE COUNTY --- 8.7 ENE AMIDON [46.54, -103.16]</b>				
	08/10/13 17:50 MST		0	Hail (0.88 in)
	08/10/13 17:55 MST		0	Source: Law Enforcement
<p>A mid level short wave moving from Saskatchewan into North Dakota triggered afternoon and evening thunderstorms along an instability axis over western North Dakota. Deep layer wind shear around 35 knots combined with daytime destabilization to create an environment favorable for a few sustained thunderstorm updrafts. Large hail and severe thunderstorm winds accompanied the storms.</p>				
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<b>KIDDER COUNTY --- 2.3 SW TAPPEN [46.85, -99.66]</b>				
	08/18/13 21:30 CST		0	Hail (0.75 in)
	08/18/13 21:35 CST		0	Source: Public
<p>An isolated strong thunderstorm moving across south central North Dakota produced sub-severe hail in Kidder County.</p>				
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<b>FOSTER COUNTY --- 4.8 S CARRINGTON [47.38, -99.13]</b>				
	08/20/13 21:36 CST		0	Hail (0.75 in)
	08/20/13 21:41 CST		0	Source: Emergency Manager
<p>An isolated strong thunderstorm moving across central North Dakota produced sub-severe hail in Foster County.</p>				
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<b>DUNN COUNTY --- 3.6 NNE KILLDEER [47.42, -102.75]</b>				
	08/26/13 15:46 MST		0	Thunderstorm Wind (EG 52 kt)
	08/26/13 15:51 MST		0	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - August 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Pea size hail and heavy rain accompanied the strong winds.				
<b>DIVIDE COUNTY --- 7.0 SSW ALKABO [48.78, -103.94]</b>				
	08/26/13 17:50 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/26/13 18:00 CST		0	Source: Trained Spotter
Large tree limbs were snapped due to the strong winds.				
<b>DIVIDE COUNTY --- 6.3 S ALKABO [48.78, -103.89]</b>				
	08/26/13 17:52 CST		0	Hail (0.88 in)
	08/26/13 17:55 CST		0	Source: Trained Spotter
<b>DIVIDE COUNTY --- 2.9 SSE AMBROSE [48.91, -103.45]</b>				
	08/26/13 18:45 CST		0	Thunderstorm Wind (EG 52 kt)
	08/26/13 18:50 CST		0	Source: Law Enforcement
Very heavy rain accompanied the strong winds.				
<b>WARD COUNTY --- 5.0 SSE NIOBE [48.62, -102.16]</b>				
	08/26/13 20:30 CST		0	Hail (1.00 in)
	08/26/13 20:35 CST		0	Source: Trained Spotter
<b>Small-scale short wave impulses embedded within the northern periphery of an upper level ridge triggered late afternoon and evening severe thunderstorms along a weak low level convergence zone. The thunderstorms produced severe wind gusts and large hail.</b>				
<b>ADAMS COUNTY --- 17.0 ENE HAYNES [46.09, -102.16]</b>				
	08/27/13 14:50 MST		0	Thunderstorm Wind (EG 52 kt)
	08/27/13 15:00 MST		0	Source: Trained Spotter
Heavy rain accompanied the strong winds.				
<b>ADAMS COUNTY --- 17.0 ENE HAYNES [46.09, -102.16]</b>				
	08/27/13 15:00 MST		0	Hail (0.75 in)
	08/27/13 15:05 MST		0	Source: Trained Spotter
<b>A weak stationary boundary was the focus for scattered strong to severe convection during the afternoon and early evening. Modest surface based CAPE coupled with 35 knots of 0-6km wind shear was enough for one severe storm to develop, which produced a severe thunderstorm wind gust in Adams County.</b>				
<b>MCKENZIE COUNTY --- 31.4 W GRASSY BUTTE [47.37, -103.92]</b>				
	08/28/13 22:40 MST		0	Thunderstorm Wind (EG 56 kt)
	08/28/13 22:45 MST		0	Source: Trained Spotter
Very heavy rain accompanied the strong winds.				
<b>MCKENZIE COUNTY --- 0.8 SE ALEXANDER [47.84, -103.64]</b>				
	08/28/13 22:45 MST		0	Thunderstorm Wind (EG 56 kt)
	08/28/13 22:50 MST		0	Source: Trained Spotter
Very heavy rain accompanied the strong winds.				
<b>DUNN COUNTY --- 1.4 N DUNN CENTER [47.37, -102.63]</b>				
	08/28/13 23:55 MST		0	Thunderstorm Wind (EG 52 kt)
	08/29/13 00:00 MST		0	Source: Public
Heavy rain accompanied the strong winds.				
<b>WILLIAMS COUNTY --- 0.5 W WILLISTON [48.15, -103.63]</b>				
	08/29/13 00:03 CST		0	Thunderstorm Wind (EG 52 kt)
	08/29/13 00:08 CST		0	Source: Trained Spotter
Very heavy rain accompanied the strong winds.				

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<b>MERCER COUNTY --- 0.7 S BEULAH [47.26, -101.78]</b>				
	08/29/13 01:48 CST		0	Thunderstorm Wind (EG 61 kt)
	08/29/13 01:53 CST		0	Source: Public
Heavy rain accompanied the strong winds.				
<b>BURLEIGH COUNTY --- 0.8 NW BISMARCK [46.81, -100.78]</b>				
	08/29/13 02:48 CST		0	Thunderstorm Wind (MG 52 kt)
	08/29/13 02:53 CST		0	Source: Broadcast Media
<b>MCLEAN COUNTY --- 0.8 NW WASHBURN [47.29, -101.03]</b>				
	08/29/13 02:55 CST		0	Thunderstorm Wind (EG 61 kt)
	08/29/13 03:05 CST		0	Source: Broadcast Media
Heavy rain and small hail accompanied the strong winds.				
<b>BURLEIGH COUNTY --- 2.5 WSW DRISCOLL [46.84, -100.18]</b>				
	08/29/13 03:27 CST		0	Thunderstorm Wind (EG 52 kt)
	08/29/13 03:32 CST		0	Source: Public
Heavy rain accompanied the strong winds.				
<b>WELLS COUNTY --- 3.1 SSE SYKESTON [47.43, -99.35]</b>				
	08/29/13 04:25 CST		0	Thunderstorm Wind (EG 52 kt)
	08/29/13 04:30 CST		0	Source: Trained Spotter
Heavy rain accompanied the strong winds.				
<b>Severe Thunderstorm Watch number 500 was in effect during this event.</b>				
<p>Strong to severe thunderstorms, which developed during the late afternoon and evening in eastern Montana, organized into a north to south band of storms as they approached far western North Dakota. A short wave trough riding over an upper level ridge across northern Montana proved to be the trigger mechanism for convection, which was sustained across west and central North Dakota through the early morning hours of the 29th. The severe thunderstorms produced widespread severe wind gusts and heavy rain.</p>				
<b>STARK COUNTY --- 10.5 N ANTELOPE [47.00, -102.16]</b>				
	08/30/13 15:43 MST		0	Hail (1.00 in)
	08/30/13 15:48 MST		0	Source: Trained Spotter
<b>MERCER COUNTY --- 4.6 S ZAP [47.21, -101.91]</b>				
	08/30/13 16:45 CST		0	Hail (2.00 in)
	08/30/13 16:50 CST		0	Source: Social Media
<b>MORTON COUNTY --- 4.5 NE HEBRON [46.95, -101.97]</b>				
	08/30/13 17:00 CST		0	Hail (1.00 in)
	08/30/13 17:07 CST		0	Source: Trained Spotter
<b>MORTON COUNTY --- 8.1 NNE GLEN ULLIN [46.93, -101.77]</b>				
	08/30/13 17:30 CST		0	Hail (2.00 in)
	08/30/13 17:40 CST		0	Source: Trained Spotter
<b>MORTON COUNTY --- 2.8 N GLEN ULLIN [46.86, -101.83]</b>				
	08/30/13 17:36 CST		0	Funnel Cloud
	08/30/13 17:38 CST		0	Source: Public
A brief funnel cloud formed near Interstate 94.				
<b>BOTTINEAU COUNTY --- 5.3 NNW BOTTINEAU [48.90, -100.48]</b>				
	08/30/13 17:40 CST		0	Hail (1.25 in)
	08/30/13 17:50 CST		0	Source: Trained Spotter

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<b>BOTTINEAU COUNTY --- 5.3 NNW BOTTINEAU [48.90, -100.48]</b>				
	08/30/13 17:40 CST		0	Thunderstorm Wind (EG 52 kt)
	08/30/13 17:50 CST		0	Source: Trained Spotter
Large hail accompanied the strong winds.				
<b>BOTTINEAU COUNTY --- 3.6 NNE BOTTINEAU ARPT [48.88, -100.40]</b>				
	08/30/13 17:55 CST		0	Hail (0.75 in)
	08/30/13 18:05 CST		0	Source: COOP Observer
<b>BOTTINEAU COUNTY --- 7.7 E BOTTINEAU ARPT [48.83, -100.25]</b>				
	08/30/13 17:55 CST		0	Thunderstorm Wind (EG 52 kt)
	08/30/13 18:00 CST		0	Source: Trained Spotter
Heavy rain and small hail accompanied the strong winds.				
<b>BOTTINEAU COUNTY --- 2.8 N BOTTINEAU [48.87, -100.44]</b>				
	08/30/13 18:10 CST		0	Hail (1.00 in)
	08/30/13 18:20 CST		0	Source: Trained Spotter
<b>BOTTINEAU COUNTY --- 2.8 N BOTTINEAU [48.87, -100.44]</b>				
	08/30/13 18:10 CST		0	Thunderstorm Wind (MG 52 kt)
	08/30/13 18:20 CST		0	Source: Trained Spotter
Large hail accompanied the strong winds.				
<b>BOTTINEAU COUNTY --- 7.7 E BOTTINEAU ARPT [48.83, -100.25]</b>				
	08/30/13 18:10 CST		0	Hail (1.25 in)
	08/30/13 18:20 CST		0	Source: Trained Spotter
<b>MORTON COUNTY --- 3.7 WNW NEW SALEM [46.88, -101.49], 1.7 NNW NEW SALEM [46.87, -101.44]</b>				
	08/30/13 18:10 CST		0	Tornado (EF0, L: 2.49 mi , W: 30 yd)
	08/30/13 18:15 CST		0	Source: Trained Spotter
A tornado was spotted on the ground north of Interstate 94 in rural Morton County. There was no damage reported and so the tornado was rated EF0.				
<b>MORTON COUNTY --- 4.8 NW NEW SALEM [46.90, -101.49]</b>				
	08/30/13 18:10 CST		0	Hail (2.00 in)
	08/30/13 18:15 CST		0	Source: COOP Observer
<b>MORTON COUNTY --- 0.5 E NEW SALEM [46.85, -101.41]</b>				
	08/30/13 18:12 CST		0	Hail (3.00 in)
	08/30/13 18:17 CST		0	Source: Emergency Manager
<b>MERCER COUNTY --- 10.4 N ZAP [47.43, -101.92]</b>				
	08/30/13 18:20 CST		0	Hail (1.75 in)
	08/30/13 18:30 CST		0	Source: Trained Spotter
<b>MERCER COUNTY --- 13.6 W PICK CITY [47.50, -101.76]</b>				
	08/30/13 18:40 CST		0	Hail (1.75 in)
	08/30/13 18:50 CST		0	Source: Public
<b>ROLETTE COUNTY --- 6.3 ENE SAN HAVEN [48.86, -99.90]</b>				
	08/30/13 18:40 CST		0	Thunderstorm Wind (EG 52 kt)
	08/30/13 18:50 CST		0	Source: Trained Spotter
Up to dime size hail accompanied the strong winds.				

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<b>WARD COUNTY --- 0.7 N DOUGLAS [47.86, -101.50]</b>				
	08/30/13 18:45 CST	0		Hail (1.75 in)
	08/30/13 18:55 CST	0		Source: Trained Spotter
<b>WARD COUNTY --- 0.7 N DOUGLAS [47.86, -101.50]</b>				
	08/30/13 18:46 CST	0		Hail (1.50 in)
	08/30/13 18:53 CST	0		Source: Public
<b>MORTON COUNTY --- 1.9 E SWEET BRIAR [46.83, -101.14]</b>				
	08/30/13 18:52 CST	0		Hail (2.00 in)
	08/30/13 19:00 CST	0		Source: Trained Spotter
<b>WARD COUNTY --- 7.2 NE DOUGLAS [47.93, -101.40]</b>				
	08/30/13 18:55 CST	0	20K	Hail (1.75 in)
	08/30/13 19:05 CST	0		Source: Public
The large hail damaged a shed, tractor, and pickup truck.				
<b>MORTON COUNTY --- 5.1 ENE SWEET BRIAR [46.87, -101.09]</b>				
	08/30/13 19:01 CST	0		Hail (0.75 in)
	08/30/13 19:07 CST	0		Source: Trained Spotter
<b>MORTON COUNTY --- 6.2 ESE SWEET BRIAR [46.78, -101.07]</b>				
	08/30/13 19:07 CST	0		Hail (3.00 in)
	08/30/13 19:14 CST	0		Source: Trained Spotter
<b>WARD COUNTY --- 4.7 SE SOUTH PRAIRIE [48.00, -101.23]</b>				
	08/30/13 19:15 CST	0		Hail (2.50 in)
	08/30/13 19:25 CST	0		Source: Trained Spotter
<b>WARD COUNTY --- 6.2 S SOUTH PRAIRIE [47.96, -101.30]</b>				
	08/30/13 19:15 CST	0		Hail (1.75 in)
	08/30/13 19:25 CST	0		Source: Public
<b>MORTON COUNTY --- 0.2 ESE MANDAN MUNI ARPT [46.77, -100.90]</b>				
	08/30/13 19:19 CST	0		Hail (1.00 in)
	08/30/13 19:26 CST	0		Source: Trained Spotter
<b>MORTON COUNTY --- 6.2 N SWEET BRIAR [46.92, -101.18]</b>				
	08/30/13 19:25 CST	0		Hail (1.25 in)
	08/30/13 19:30 CST	0		Source: Public
<b>WARD COUNTY --- 6.9 S SAWYER [47.98, -101.05]</b>				
	08/30/13 19:25 CST	0		Hail (1.75 in)
	08/30/13 19:30 CST	0		Source: Public
<b>MCHENRY COUNTY --- 3.5 N VELVA [48.12, -100.94]</b>				
	08/30/13 19:30 CST	0		Hail (2.50 in)
	08/30/13 19:35 CST	0		Source: Trained Spotter
<b>WARD COUNTY --- SAWYER [48.08, -101.05]</b>				
	08/30/13 19:30 CST	0		Hail (1.75 in)
	08/30/13 19:35 CST	0		Source: Public
<b>MORTON COUNTY --- 5.5 N SWEET BRIAR [46.91, -101.18]</b>				
	08/30/13 19:35 CST	0		Hail (1.25 in)
	08/30/13 19:42 CST	0		Source: Public



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<b>MCHENRY COUNTY --- 0.7 S VELVA [48.06, -100.93]</b>				
	08/30/13 19:40 CST	0		Hail (0.75 in)
	08/30/13 19:45 CST	0		Source: Trained Spotter
<b>MORTON COUNTY --- 9.8 NNE SWEET BRIAR [46.95, -101.07]</b>				
	08/30/13 19:40 CST	0		Hail (1.25 in)
	08/30/13 19:50 CST	0		Source: Trained Spotter
<b>OLIVER COUNTY --- 10.6 SW PRICE [46.98, -101.12]</b>				
	08/30/13 19:40 CST	0		Hail (1.25 in)
	08/30/13 19:50 CST	0		Source: Trained Spotter
<b>MORTON COUNTY --- 7.5 NW MANDAN [46.90, -101.02]</b>				
	08/30/13 19:50 CST	0		Hail (0.75 in)
	08/30/13 19:56 CST	0		Source: Trained Spotter
<b>MORTON COUNTY --- 2.8 NW MANDAN [46.86, -100.94]</b>				
	08/30/13 20:00 CST	0		Hail (1.00 in)
	08/30/13 20:10 CST	0		Source: Trained Spotter
<b>MORTON COUNTY --- 0.7 NNW MANDAN [46.84, -100.91]</b>				
	08/30/13 20:07 CST	0		Hail (1.25 in)
	08/30/13 20:13 CST	0		Source: Trained Spotter
<b>MORTON COUNTY --- 5.4 WNW MANDAN [46.86, -101.01]</b>				
	08/30/13 20:09 CST	0		Hail (1.25 in)
	08/30/13 20:15 CST	0		Source: Trained Spotter
<b>MORTON COUNTY --- 5.5 WNW MANDAN [46.86, -101.01]</b>				
	08/30/13 20:09 CST	0		Thunderstorm Wind (EG 52 kt)
	08/30/13 20:15 CST	0		Source: Trained Spotter
Large hail accompanied the strong winds.				
<b>BURLEIGH COUNTY --- 3.6 NE BISMARCK [46.84, -100.72]</b>				
	08/30/13 20:10 CST	0		Hail (1.00 in)
	08/30/13 20:20 CST	0		Source: Public
<b>BURLEIGH COUNTY --- 3.6 NE BISMARCK [46.84, -100.72]</b>				
	08/30/13 20:10 CST	0		Thunderstorm Wind (EG 52 kt)
	08/30/13 20:20 CST	0		Source: Public
Quarter size hail accompanied the strong winds.				
<b>MCHENRY COUNTY --- 7.7 ENE KARLSRUHE [48.15, -100.47]</b>				
	08/30/13 20:15 CST	0		Hail (1.00 in)
	08/30/13 20:22 CST	0		Source: Trained Spotter
<b>BURLEIGH COUNTY --- 0.8 NW BISMARCK [46.81, -100.78]</b>				
	08/30/13 20:18 CST	0		Hail (1.00 in)
	08/30/13 20:25 CST	0		Source: Trained Spotter
<b>BURLEIGH COUNTY --- 2.1 N BISMARCK [46.83, -100.77]</b>				
	08/30/13 20:20 CST	0		Hail (1.00 in)
	08/30/13 20:27 CST	0		Source: Trained Spotter
<b>BURLEIGH COUNTY --- 2.7 N BISMARCK [46.84, -100.76]</b>				

## Storm Data and Unusual Weather Phenomena - August 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/30/13 20:20 CST		0	Hail (0.75 in)
	08/30/13 20:27 CST		0	Source: Trained Spotter
<hr/>				
<b>BURLEIGH COUNTY --- 4.0 ESE (BIS)BISMARCK MUNI A [46.76, -100.67]</b>				
	08/30/13 20:25 CST		0	Hail (1.00 in)
	08/30/13 20:30 CST		0	Source: Trained Spotter
<hr/>				
<b>BURLEIGH COUNTY --- 1.4 S FT LINCOLN [46.80, -100.60]</b>				
	08/30/13 20:27 CST		0	Hail (1.00 in)
	08/30/13 20:33 CST		0	Source: CoCoRaHS
<hr/>				
<b>BURLEIGH COUNTY --- 0.8 NW BISMARCK [46.81, -100.78]</b>				
	08/30/13 20:35 CST		0	Hail (0.80 in)
	08/30/13 20:40 CST		0	Source: Trained Spotter
<hr/>				
<b>MCHENRY COUNTY --- 3.7 W MILROY [48.44, -100.61]</b>				
	08/30/13 21:10 CST		0	Hail (1.50 in)
	08/30/13 21:20 CST		0	Source: Public
<hr/>				
<b>MCHENRY COUNTY --- 2.8 N TOWNER [48.39, -100.41]</b>				
	08/30/13 21:14 CST		0	Hail (1.75 in)
	08/30/13 21:20 CST		0	Source: Trained Spotter
<hr/>				
<b>MCHENRY COUNTY --- 4.2 N TOWNER [48.41, -100.41]</b>				
	08/30/13 21:16 CST		0	Hail (1.00 in)
	08/30/13 21:22 CST		0	Source: Trained Spotter
<hr/>				
<b>MCHENRY COUNTY --- 0.8 NNW TOWNER [48.36, -100.41]</b>				
	08/30/13 21:20 CST		0	Hail (1.00 in)
	08/30/13 21:25 CST		0	Source: Trained Spotter
<hr/>				
<b>MCHENRY COUNTY --- 1.5 NNE TOWNER [48.37, -100.39]</b>				
	08/30/13 21:26 CST		0	Hail (0.88 in)
	08/30/13 21:31 CST		0	Source: Trained Spotter
<hr/>				
<b>PIERCE COUNTY --- 6.4 NNW SILVA [48.26, -99.95]</b>				
	08/30/13 21:55 CST		0	Hail (1.00 in)
	08/30/13 22:05 CST		0	Source: Trained Spotter
<hr/>				
<b>PIERCE COUNTY --- 9.1 NNW BALTA [48.28, -100.14]</b>				
	08/30/13 22:00 CST		0	Hail (1.75 in)
	08/30/13 22:10 CST		0	Source: Trained Spotter
<hr/>				
<b>BURLEIGH COUNTY --- 0.7 N REGAN [47.16, -100.53]</b>				
	08/30/13 23:15 CST		0	Hail (0.88 in)
	08/30/13 23:20 CST		0	Source: Public

Severe Thunderstorm Watch number 506 was in effect during this event.

A prefrontal surface trough stretched from north to south across western North Dakota and was the focus for convective initialization in the mid to late afternoon hours as subtle mid level impulses in zonal flow aloft moved into the Northern Plains.

Storms initially developed near the Canadian border over extreme southeast Saskatchewan, where the prefrontal trough intersected a surface cold front. This complex of storms remained just north of the International Border before becoming supercellular and turning southeast into far north central North Dakota. Another complex of storms developed across eastern Stark County. Eventually the entire trough axis filled in with convection, with both right and left moving supercells spreading eastward throughout the evening. The numerous severe thunderstorms brought widespread large hail and severe thunderstorm wind gusts to many locations.