



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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NORTH DAKOTA, Central and West

Bottineau County

10 NE Bottineau	04	0715CST 0725CST			0	0			Hail(1.00)
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Rolette County

7 NW Dunseith	04	0730CST 0735CST			0	0			Hail(0.75)
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Morton County

15 NE Flasher	04	1555CST 1600CST			0	0			Hail(0.75)
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Sioux County

Selfridge	04	1745CST 1751CST			0	0	40K		Thunderstorm Wind (EG78)
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Grain bins overturned along with trees down and trees reported on top of cars.

Emmons County

Linton	04	1747CST 1754CST			0	0	5K		Thunderstorm Wind (EG61)
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Thunderstorm winds uprooted trees. Dime size hail accompanied the storm. Trees also reported to have fallen onto power lines.

Sioux County

3 NNW Ft Yates	04	1755CST 1803CST			0	0	35K		Thunderstorm Wind (EG78)
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Significant damage to a home that was on top of a hill.

Emmons County

Linton to 7 W Linton	04	1800CST 1930CST			0	0	15K		Flash Flood
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Rainfall amounts of 2.75 inches in Linton to 4 inches 7 miles west of Linton, within a short time period, led to street flooding within the city of Linton. City streets were blocked by the Linton Police as water running off of the hills was collecting in low lying areas within the city and to the west.

Emmons County

14 SW Linton to 23 SW Linton	04	1800CST 1820CST			0	0	200K		Thunderstorm Wind (ES78)
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A farm was heavily damaged 14 miles to the southwest of Linton. On this farm a wood grainery was heavily damaged, a roof was torn from an outbuilding, and a wood fence was damaged. Another farm was damaged 23 miles southwest of Linton. On this particular farm a 60X80 foot pole barn was demolished, roof damage was sustained to a farm house and outbuilding, a horse trailer was destroyed, and another outbuilding was moved 4 inches off of its foundation.

McIntosh County

4 NE Ventura	04	1840CST 1846CST			0	0			Thunderstorm Wind (EG61)
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McIntosh County

6 S Ashley	04	1921CST 1923CST	0.1	40	0	0			Tornado (F0)
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Report by McIntosh County Sheriff deputy just north of the North Dakota and South Dakota border. Tornado briefly touched down. No structures impacted and no damage.

Burleigh County

Bismarck Arpt to Bismarck	09	0656CST 0701CST			0	0			Hail(0.75)
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Burleigh County

3 S Wilton	09	0700CST 0705CST			0	0			Hail(0.88)
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Burke County

2 NW Lignite to 2 SE Lignite	09	0715CST 2030CST			0	0	250K		Lightning
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Lightning struck two salt water tanks at oil wells. One oil well 2 miles southeast of Lignite was struck at 715 AM CST, while another



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NORTH DAKOTA, Central and West

2 miles northwest of Lignite was struck at 830 AM CST. Both strikes started fires, with fire crews unable to get close to the fires due to the intense heat. Loss in production was estimated at 15K per day. The 250K damage was to property.

Burke County

2 NE Lignite

09	0850CST 0853CST				0	0			Hail(0.75)
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Very heavy rain also reported.

Burke County

7 NE Northgate

09	1055CST 1105CST				0	0	11K		Lightning
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Lightning struck a 2005 Chevrolet Duramax diesel pickup truck with two male occupants inside. According to newspaper reports all of the lights came on and the horn started blowing. The radio antenna was blasted off its mount and the top passenger side of the cab was burned. One of the occupants said sparks were flying and bouncing around the bed of the truck and there was a smell of smoke. The trucks electrical system was destroyed. Neither occupant was injured.

Rolette County

Nanson

09	1515CST 1615CST				0	0	10K		Lightning
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Fire officials determined that lightning struck a light outside the building, the former Mylo Town Hall, and traveled through the electrical line to the building where it started a fire.

Kidder County

10 SW Tappen

09	1743CST 1747CST				0	0			Hail(0.75)
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Kidder County

15 S Tappen

09	1800CST 1805CST				0	0			Hail(2.75)
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Damage to a pickup truck and camper.

Mcintosh County

13 E Ashley to
15 E Ashley

09	1840CST 1850CST				0	0	30K		Hail(1.75)
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Broken windows plus shingle and siding damage were reported on three farms. In one case, broken glass was imbedded in a wall 25 feet away. Hail was 5 inches deep, and was described by one farmer as a sea of white as far as the eye could see.

Logan County

11 S Gackle

09	1850CST 1855CST				0	0			Hail(0.88)
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Mcintosh County

15 ESE Ashley

09	1950CST 2007CST				0	0			Hail(1.75)
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Hail was accompanied by 60+ mph winds and heavy rain. No damage was reported.

La Moure County

La Moure

09	2100CST 2110CST				0	0			Thunderstorm Wind (EG60)
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Strong winds downed many tree branches in town.

Mcintosh County

Wishek

10	0110CST 0120CST				0	0	30K		Hail(1.75)
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Many windows were broken in town.

Kidder County

7 S Tuttle

10	0136CST 0141CST				0	0			Hail(1.25)
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Burleigh County

2 E Sterling

10	0445CST 0450CST				0	0			Hail(0.88)
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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

NORTH DAKOTA, Central and West

Sioux County

44 W Selfridge	10	1335CST 1355CST			0	0			Hail(1.00)
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Grant County

25 S Elgin	10	1340CST 1348CST			0	0			Hail(0.88)
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Sioux County

6 S Selfridge to 7 SE Selfridge	10	1450CST 1458CST	2	70	0	0			Tornado (F0)
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An F0 tornado moved southeast toward the North Dakota and South Dakota state line. The tornado occurred in an open field with no damage reported.

Bowman County

8 NE Bowman	11	1623CST 1630CST			0	0			Hail(0.88)
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Billings County

Medora	11	1703CST 1710CST			0	0			Hail(1.75)
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Williams County

4 SW Trenton	11	1730CST 1733CST			0	0	5K		Hail(1.50)
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Sugar beet crop damaged by hail.

Stark County

6 N Belfield	11	1739CST 1743CST			0	0			Hail(0.88)
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Mckenzie County

Grassy Butte	11	1755CST 1800CST			0	0			Hail(0.88)
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Mckenzie County

Rawson to Arnegard	11	1800CST 1825CST			0	0	25K		Hail(0.75)
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A 4 mile wide hail swath from Rawson to Arnegard accompanied with 50 mph winds stripped leaves from trees and damaged crops.

Mckenzie County

Watford City	11	1825CST 1830CST			0	0			Hail(0.88)
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Mckenzie County

14 S Watford City	11	1900CST 1909CST			0	0			Hail(0.88)
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Occurred at the north end of Theodore Roosevelt National Park. Also had 2 inches of rain.

Divide County

2 ESE Ambrose	11	1905CST 1915CST			0	0			Hail(1.75)
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Mountrail County

3 NNW Stanley	11	1925CST 1930CST			0	0			Thunderstorm Wind (EG52)
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Divide County

4 N Crosby	11	1925CST 1930CST			0	0			Hail(1.75)
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Mckenzie County

6 NE Grassy Butte	11	1941CST 1947CST			0	0			Hail(1.00)
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Very heavy rain along with the hail.

Mountrail County

3 NNW Stanley	11	2012CST 2024CST			0	0	25K		Thunderstorm Wind (EG61)
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Carport damaged. Also, debris struck a nearby building and damaged the upper part near the roof. Vehicle damage reported as well.



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NORTH DAKOTA, Central and West

The peak severe wind gust episode at 822 PM CST appeared to be caused by the thunderstorm collapsing.

Mclean County									
3 S Max	12	0753CST			0	0			Hail(1.00)
Mclean County									
5 E Max	12	0800CST 0806CST			0	0			Hail(0.75)
Mchenry County									
11 N Drake	12	1220CST 1225CST			0	0			Hail(1.00)
Pierce County									
8 S Wolford	12	1245CST 1250CST			0	0			Hail(0.75)
Logan County									
Gackle	16	1627CST 1632CST			0	0			Hail(0.88)
Stutsman County									
Buchanan	16	1700CST 1715CST			0	0			Hail(1.50)
Logan County									
10 S Gackle	16	1715CST 1722CST			0	0			Hail(1.75)
Mcintosh County									
6 SE Ashley	16	1735CST 1745CST			0	0			Hail(0.75)
La Moure County									
5 SW Jud	16	1740CST 1746CST			0	0			Hail(0.88)
Stutsman County									
Spiritwood	16	1750CST 1757CST			0	0			Hail(0.75)
La Moure County									
5 S Jud	16	1810CST 1815CST			0	0			Hail(0.88)
La Moure County									
10 WSW Edgeley	16	1840CST 1842CST			0	0			Hail(0.75)
La Moure County									
Edgeley	16	1918CST 1924CST			0	0			Hail(0.75)
Heavy rain accompanied hail.									
Golden Valley County									
Beach	17	0000CST 0100CST			0	0	7K		Lightning
Lightning started a fire that destroyed 80 round hay bales.									
Golden Valley County									
Beach	17	0618CST 0624CST			0	0			Hail(1.50)
Hail covered the ground.									
Billings County									
Medora	17	0652CST			0	0			Hail(1.00)
Stark County									
6 N Belfield	17	0720CST 0723CST			0	0			Hail(1.00)
Golden Valley County									
6 SE Beach	17	2140CST			0	0			Hail(1.00)



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NORTH DAKOTA, Central and West

2144CST

Stutsman County

7 E Streeter	20	1245CST 1430CST			0	0	3K		Lightning
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Lightning started a fire that spread to and destroyed 28 round straw bales.

Stutsman County

Streeter	20	1516CST 1520CST			0	0			Hail(1.00)
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Logan County

Gackle	20	1601CST 1606CST			0	0			Hail(1.00)
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Heavy rain accompanied the hail with 1.45 inches reported.

La Moure County

Edgeley	20	1605CST 1610CST			0	0	3K		Thunderstorm Wind (EG61)
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Damage to fences in town.

La Moure County

10 NW Edgeley	20	1613CST 1619CST			0	0			Hail(1.75)
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La Moure County

10 W Edgeley	20	1616CST			0	0			Hail(1.75)
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La Moure County

10 WSW Edgeley	20	1627CST 1635CST			0	0	25K		Thunderstorm Wind (EG74)
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Roof damage to homes and outbuildings on farms. Antenna bent over. Pieces of 2X2 wood blown into the side of a house.

Dickey County

3 SSE Merricourt	20	1630CST 1637CST			0	0			Hail(1.00)
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2.40 inches of rain accompanied the hail. Branches down with estimated wind gusts around 55 mph.

Dickey County

1 N Monango	20	1650CST 1652CST	0.3	35	0	0			Tornado (F0)
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Brief touchdown in open field. No damage as no structures were impacted. Reported by Dickey County Sheriff deputy.

Dickey County

Monango	20	1709CST 1715CST			0	0			Hail(1.00)
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Dickey County Sheriff deputy report.

Mcintosh County

7 NE Ashley	20	1710CST 1714CST			0	0			Hail(0.88)
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Dickey County

Fullerton	20	1716CST 1720CST			0	0			Hail(0.88)
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Dickey County

4 W Ellendale	20	1734CST 1740CST			0	0			Hail(0.75)
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Dickey County Sheriff deputy report.

La Moure County

6 N Edgeley	20	1755CST 1805CST			0	0			Hail(1.00)
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LaMoure County Sheriff deputy report.



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NORTH DAKOTA, Central and West

Mcintosh County

8 NE Zeeland	22	0100CST 0115CST			0	0			Hail(0.75)
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Mcintosh County

Ashley	22	0150CST 0200CST			0	0			Hail(1.00)
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Logan County

2 SW Napoleon to 10 E Napoleon	22	1955CST 2025CST			0	0	150K	40K	Hail(1.75)
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Hail swath 2 miles wide from 2 miles SW Napoleon to 10 miles E Napoleon. Hail was piled a foot deep in places. Major damage to windows and roofs. Hail was being reported in real time by trained spotters. Hail path and swath was determined from newspaper articles. Crop damage included 250 acres of corn.

Kidder County

2 N Steele	22	2002CST 2007CST			0	0			Hail(0.88)
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Emmons County

9 S Kintyre	22	2010CST 2020CST			0	0			Hail(1.75)
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Hail was piled in drifts. Severe size hail lasted 10 minutes with largest stone 1.75 inch diameter.

Logan County

6 ESE Burnstad	22	2025CST			0	0			Thunderstorm Wind (EG52)
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Mcintosh County

5 SW Wishek	22	2030CST 2045CST			0	0			Hail(1.25)
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Mcintosh County

Ashley	22	2145CST			0	0	35K		Hail(1.00)
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Hail swath 1/2 mile long and 1/4 mile wide through Ashley. Wind gust to 65 mph estimated. Windows broken in town.

Dickey County

8 W Fullerton	22	2155CST			0	0			Thunderstorm Wind (EG52)
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Also had very heavy rain.

La Moure County

Edgeley	22	2315CST 2325CST			0	1			Hail(1.75)
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LaMoure County Sheriff deputy injured his finger when he was hit by hail stones as he was determining hail size. Injury was minor

La Moure County

1 S Berlin	22	2325CST 2335CST			0	0			Hail(2.50)
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Lamoure County Sheriff deputy found tennis ball size hail stones lying on highway 13 as he drove from Edgeley to LaMoure

Dickey County

1 E Fullerton	22	2352CST 2357CST			0	0	5K		Hail(1.75)
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Broken windows.

Billings County

9 NNE Fairfield	23	1953CST 2000CST			0	0			Hail(1.00)
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Dunn County

Manning	23	2035CST 2045CST			0	0			Hail(0.75)
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					Killed	Injured	Property	Crops	
<u>NORTH DAKOTA, Central and West</u>									
Morton County									
Glen Ullin	23	2221CST 2225CST			0	0			Hail(0.88)
Mckenzie County									
2 SE Grassy Butte	24	0605CST 0610CST			0	0			Hail(0.75)
Dunn County									
Halliday	24	0650CST 0700CST			0	0			Hail(0.88)
Also had 0.70 inches of rain.									
Mercer County									
Zap to 10 N Zap	24	0710CST 0720CST			0	0			Hail(1.00)
Storm accompanied by estimated 55 mph wind gusts near Zap.									
Mercer County									
9 N Golden Vly	24	0825CST 0830CST			0	0			Thunderstorm Wind (EG52)
Also had pea size hail and 1.00 inches of rain.									
Mercer County									
11 N Zap	24	0830CST 0837CST			0	0			Hail(0.88)
Also had 50 mph wind gusts. Leaves were stripped from trees.									
Mercer County									
7 N Beulah	24	0835CST 0846CST			0	0			Hail(1.75)
Also had 60 mph wind gusts.									
Mercer County									
3 E Hazen	24	0910CST 0915CST			0	0			Hail(1.00)
Oliver County									
Hensler	24	0925CST 0940CST			0	0	45K		Hail(1.75)
Severe crop damage. Also had 1.50 inches of rain.									
Mercer County									
Stanton to 1 S Stanton	24	0929CST 0945CST			0	0	350K		Hail(2.50)
Damage to vehicles, roofs, and windows. Five Mercer County Sheriff vehicles damaged									
Mercer County									
3 SE Stanton	24	0930CST 0955CST			0	0	300K		Hail(3.25)
Extensive damage to 40 vehicles and several buildings at the Great River Energy Plant.									
Mckenzie County									
20 SW Watford City	24	0950CST 0956CST			0	0			Hail(0.75)
McLean County									
2 W Underwood	24	0958CST 1005CST			0	0			Hail(0.75)
Oliver County									
1 E Hensler	24	1000CST 1015CST			0	0			Hail(1.75)
McLean County									
Washburn	24	1025CST 1035CST			0	0			Hail(1.00)
Report from McLean County Sheriff dispatch.									



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NORTH DAKOTA, Central and West

Stark County

Gladstone	24	1110CST 1118CST			0	0	50K		Hail(1.75)
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Damage to roofs, windows, and vehicles.

Mckenzie County

Mandaree	24	1125CST 1133CST			0	0			Hail(1.00)
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Dunn County

1 S Werner	24	1130CST			0	0			Hail(0.88)
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Along highway 200.

Stark County

Richardton	24	1135CST 1140CST			0	0			Hail(0.75)
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Mercer County

8 NW Beulah	24	1138CST 1145CST			0	0			Hail(1.00)
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Burleigh County

3 SE (Bis)Bismarck Mun 4 SE (Bis)Bismarck Mun	24	1150CST 1205CST			0	0			Hail(1.25)
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In the city of Lincoln. Very few stones 1.25 inches diameter.

Morton County

Hebron to 1 N Hebron	24	1201CST 1210CST			0	0			Hail(0.75)
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Morton County

.1 S Hebron to .5 E Hebron	24	1201CST 1205CST	0.8	50	0	0	40K		Tornado (F0)
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The tornado clipped the southeast edge of Hebron as it moved east-northeast. It was on the leading edge of a squall line or multicell line of severe thunderstorms. Witnesses described it as a large whirlwind and large dust devil. Tree limbs in the rotation were being lifted into the cloud base, which was also rotating. This led to the determination of a tornado rather than a gustnado. Damage was limited to objects being thrown around, one old outbuilding being damaged, and one old one stall garage being destroyed. A 2005 pickup truck was damaged by debris from the garage.

Grant County

4 N Elgin	24	1215CST			0	0			Hail(1.00)
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Mercer County

10 N Zap	24	1230CST 1240CST			0	0			Thunderstorm Wind (EG52)
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Mclean County

12 NW Garrison	24	1239CST 1243CST			0	0			Funnel Cloud
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Mclean County

Riverdale	24	1240CST 1250CST			0	0	5K		Thunderstorm Wind (EG61)
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Tree branches broken. Minor damage.

Mercer County

Beulah to Hazen	24	1245CST 1400CST			0	0	40K		Flash Flood
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Flash flooding between the cities of Beulah and Hazen, along each side of highway 200, and in the city of Beulah. Major roads were not flooded while some county roads were under water and partially washed out. A few streets in Beulah were closed due to high water.

Oliver County

Center	24	1245CST 1250CST			0	0			Hail(0.75)
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National Weather Service

Storm Data and Unusual Weather Phenomena



August 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

NORTH DAKOTA, Central and West

Mclean County

10.5 SW Underwood to 8.5 SW Underwood	24	1255CST 1300CST	2	90	0	0	200K		Tornado (F2)
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A two story farm house about 9 miles southwest of Underwood, North Dakota, with the garage completely torn away and the roof gone after an F2 tornado on August 24, 2006. Photo by Cory Neumiller and courtesy of the Underwood News newspaper.

This low end F2 tornado, on the order of 120 mph, produced considerable damage to a farm house and outbuildings 9 miles southwest of Underwood. The attached garage was completely torn from the two story house, and the roofing materials were also torn away, leaving the trusses visible. One detached shop, garden shed, and well house were destroyed. Items from the property were found 1/2 mile away. Nearby power lines were down. National Weather Service personnel conducted storm surveys of the area on two different days.

Mclean County

Washburn	24	1305CST 1312CST			0	0			Thunderstorm Wind (EG52)
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Mclean County

Garrison	24	1310CST 1316CST			0	0			Thunderstorm Wind (EG52)
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Mclean County

3 W Underwood	24	1312CST 1320CST			0	0			Hail(1.00)
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65 mph winds were also reported along with the large hail.

Mclean County

Underwood	24	1314CST 1345CST			0	0	15K		Thunderstorm Wind (EG70)
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Severe criteria winds lasted the whole period with the peak gust estimated at 80 mph. Numerous trees down, especially on the west side of the city.

Mclean County

5 NW Washburn	24	1320CST 1335CST			0	0	675K		Thunderstorm Wind (EG78)
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Significant damage to a grain elevator, one home, and a few vehicles in Falkirk, ND.

Oliver County

Sanger	24	1320CST 1325CST			0	0			Thunderstorm Wind (EG56)
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National Weather Service

Storm Data and Unusual Weather Phenomena



August 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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NORTH DAKOTA, Central and West

Mclean County

1 E Coleharbor	24	1328CST 1340CST			0	0			Thunderstorm Wind (MG56)
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Peak gust recorded by a Davis Wind Recorder instrument.

Burleigh County

7 NNE Bismarck	24	1328CST 1329CST			0	0			Funnel Cloud
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Funnel cloud was observed to last one minute before dissipating.

Kidder County

2 S Pettibone	24	1331CST			0	0			Hail(0.75)
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Mclean County

Turtle Lake	24	1345CST 1400CST			0	0	80K		Thunderstorm Wind (EG78)
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Two barns destroyed. Trees snapped and uprooted.

Kidder County

4 W Steele	24	1355CST 1400CST			0	0			Hail(1.75)
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Sheridan County

16 N McClusky	24	1400CST 1407CST			0	0			Hail(0.75)
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Kidder County

2 S Steele	24	1403CST 1410CST	1	40	0	0			Tornado (F0)
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Tornado occurred in open country with no damage reported.

Kidder County

Steele	24	1415CST 1420CST			0	0			Hail(1.75)
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Kidder County

6 S Steele	24	1418CST 1424CST			0	0			Thunderstorm Wind (EG52)
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Torrential rain was reported with the severe winds.

Stutsman County

Woodworth	24	1430CST			0	0			Hail(0.88)
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Kidder County

Steele	24	1445CST 1600CST			0	0	25K		Flash Flood
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Water flooded streets in and around Steele, ND. Water was also flowing into the basements of a few buildings

Burleigh County

2 SW Moffit	24	1450CST 1550CST			0	0			Flash Flood
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2.20 inches of rain was reported to flood a farm yard.

Sioux County

12 W Selfridge	24	1458CST 1506CST			0	0			Hail(3.00)
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No damage reported.

Sioux County

12 W Selfridge	24	1458CST 1500CST			0	0			Funnel Cloud
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Burleigh County

5 ESE Moffit	24	1500CST 1505CST			0	0			Thunderstorm Wind (EG52)
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Sioux County

10 SW Ft Yates	24	1508CST			0	0			Hail(1.00)
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National Weather Service

Storm Data and Unusual Weather Phenomena



August 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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NORTH DAKOTA, Central and West

1512CST

Report relayed by National Weather Service Aberdeen, South Dakota.

Stutsman County

Buchanan	24	1525CST 1535CST			0	0			Thunderstorm Wind (EG52)
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Logan County

2 S Napoleon	24	1535CST 1600CST			0	0			Lightning
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Lightning struck a tree, traveled into the ground, and blew a 2 1/2 foot wide hole in the ground near the trunk

Emmons County

3 S Hague	24	1540CST 1545CST			0	0			Hail(0.75)
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Report from a North Dakota Atmospheric Resource Board Observer.

Stutsman County

Jamestown	24	1557CST			0	0			Thunderstorm Wind (MG50)
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KJMS ASOS observation. ASOS remark PK WND 29050/2157.

Mchenry County

Towner	24	1630CST 1800CST			0	0	20K		Flash Flood
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Water as much as 8 inches deep in the streets of the downtown area flowed over the curbs and sidewalks and into businesses. Motorists had to find alternate routes around the city. Most of the damage was of the cleaning up variety typically associated with minor flood waters.

Mcintosh County

Ashley	24	1640CST 1650CST			0	0			Thunderstorm Wind (EG56)
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Dickey County

6 NW Ellendale	24	1750CST 1800CST			0	0			Hail(0.88)
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