

Storm Data and Unusual Weather Phenomena - September 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
WILLIAMS COUNTY --- 2.8 S ALAMO [48.54, -103.47]				
	09/03/14 16:41 CST	0		Hail (1.00 in)
	09/03/14 16:43 CST	0		Source: Trained Spotter
MOUNTRAIL COUNTY --- 10.1 NNW WHITE EARTH [48.52, -102.83]				
	09/03/14 17:20 CST	0		Hail (1.00 in)
	09/03/14 17:27 CST	0		Source: Trained Spotter
MOUNTRAIL COUNTY --- 3.9 NNE BLAISDELL [48.38, -102.03]				
	09/03/14 18:15 CST	0		Hail (1.75 in)
	09/03/14 18:17 CST	0		Source: Trained Spotter
MOUNTRAIL COUNTY --- 1.4 ENE BLAISDELL [48.34, -102.05]				
	09/03/14 18:23 CST	0		Funnel Cloud
	09/03/14 18:24 CST	0		Source: Trained Spotter
The location of the funnel cloud was estimated based on radar. The trained spotter was located in Stanley and reported the funnel to be an estimated 15 to 20 miles to their northeast.				
WARD COUNTY --- 8.0 SW CARPIO [48.38, -101.89]				
	09/03/14 18:32 CST	0		Hail (1.00 in)
	09/03/14 18:33 CST	0		Source: Trained Spotter
MCKENZIE COUNTY --- 4.6 SW CHARLSON [48.03, -102.95]				
	09/03/14 19:00 MST	0	0.20M	Thunderstorm Wind (EG 61 kt)
	09/03/14 19:05 MST	0		Source: Emergency Manager
Three recreational vehicles in Tobacco Garden Bay sustained significant damage , with one being toppled. No injuries were reported. It was originally speculated that the damage was caused by a tornado. Local emergency management conducted a survey and determined the damage was caused by strong straight line winds.				
DUNN COUNTY --- 0.5 W HALLIDAY [47.35, -102.34]				
	09/03/14 19:15 MST	0		Hail (0.88 in)
	09/03/14 19:20 MST	0		Source: Trained Spotter
BILLINGS COUNTY --- 11.8 NNW FAIRFIELD [47.33, -103.34]				
	09/03/14 19:25 MST	0		Hail (1.00 in)
	09/03/14 19:28 MST	0		Source: Public
WILLIAMS COUNTY --- 0.5 W WILLISTON [48.15, -103.63]				
	09/03/14 19:30 CST	0		Funnel Cloud
	09/03/14 19:33 CST	0		Source: Trained Spotter
WILLIAMS COUNTY --- 0.5 W WILLISTON [48.15, -103.63]				
	09/03/14 19:30 CST	0		Hail (1.75 in)
	09/03/14 19:35 CST	0		Source: Trained Spotter
The hail was accompanied by severe thunderstorm winds around 80 mph. Damage estimates are noted in the thunderstorm wind storm data entry from 8:30 to 8:40 PM CDT. Half-dollar and quarter sized hail were also reported at the same time in Williston by a co-op observer and by law enforcement respectively.				
WILLIAMS COUNTY --- 0.5 W WILLISTON [48.15, -103.63]				
	09/03/14 19:30 CST	0	1M	Thunderstorm Wind (EG 70 kt)
	09/03/14 19:40 CST	0	0.50M	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - September 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

Analysis of damage photos indicated that the peak wind was around 80 mph. The Williston Airport ASOS measured 71 mph at 8:33 PM CDT, but the worst damage was in other parts of Williston. Large trees were snapped and uprooted, fences were destroyed, and vehicles were destroyed by falling trees. It was estimated that the high winds lasted for about 10 minutes. Half dollar sized hail was also reported at this time.

WILLIAMS COUNTY --- 8.2 NW (ISN)SLOULIN FLD WIL [48.26, -103.78]

09/03/14 19:30 CST			0	Hail (1.00 in)
09/03/14 19:32 CST			0	Source: Public

BILLINGS COUNTY --- 9.8 N FAIRFIELD [47.32, -103.25]

09/03/14 19:35 MST			0	Hail (1.50 in)
09/03/14 19:39 MST			0	Source: Public

There were no reports of damage.

BILLINGS COUNTY --- 2.8 N FAIRFIELD [47.22, -103.22]

09/03/14 19:40 MST			0	Hail (2.00 in)
09/03/14 19:43 MST			0	Source: CoCoRaHS

There were no reports of damage.

MCKENZIE COUNTY --- 0.7 S GRASSY BUTTE [47.39, -103.25]

09/03/14 19:40 MST			0	Hail (1.00 in)
09/03/14 19:42 MST			0	Source: Public

MCKENZIE COUNTY --- 1.6 ENE GRASSY BUTTE [47.41, -103.22]

09/03/14 19:40 MST			0	Hail (0.75 in)
09/03/14 19:43 MST			0	Source: COOP Observer

DUNN COUNTY --- 0.9 E KILLDEER [47.37, -102.75]

09/03/14 20:06 MST			0	Hail (1.25 in)
09/03/14 20:10 MST			0	Source: COOP Observer

DUNN COUNTY --- 4.8 SW DUNN CENTER [47.30, -102.70]

09/03/14 20:10 MST			0.30M	Thunderstorm Wind (EG 74 kt)
09/03/14 20:15 MST		1	0	Source: Emergency Manager

Minor injuries occurred to a 9 year old female that was inside a 5th wheel trailer-camper that tipped over. A horse trailer nearby also tipped over. Farm outbuildings and fences were damaged and trees were snapped. There was speculation that the damage could have been caused by a tornado, but determination from photo evidence was that this damage was caused by very high straight line thunderstorm winds.

WILLIAMS COUNTY --- 9.7 SSE WHEELLOCK [48.17, -103.17]

09/03/14 20:15 CST			0	Hail (1.00 in)
09/03/14 20:20 CST			0	Source: Public

BILLINGS COUNTY --- 2.0 N FAIRFIELD [47.21, -103.22]

09/03/14 20:40 MST			0	Hail (1.75 in)
09/03/14 20:43 MST			0	Source: Public

There were no reports of damage.

MOUNTRAIL COUNTY --- 0.5 W NEW TOWN [47.98, -102.49]

09/03/14 20:43 CST			0	Hail (1.00 in)
09/03/14 20:45 CST			0	Source: Public

DUNN COUNTY --- MANNING [47.23, -102.77]

09/03/14 21:09 MST			2M	Hail (2.75 in)
09/03/14 21:13 MST			0.25M	Source: Emergency Manager

There was very significant damage to buildings and automobiles including at a car dealership.

Storm Data and Unusual Weather Phenomena - September 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WILLIAMS COUNTY --- 0.5 W EPPING [48.28, -103.36]				
	09/03/14 21:15 CST		0	Hail (0.75 in)
	09/03/14 21:20 CST		0	Source: Trained Spotter
MCLEAN COUNTY --- 0.5 W ROSEGLLEN [47.75, -101.84]				
	09/03/14 21:40 CST		0	Hail (1.75 in)
	09/03/14 21:42 CST		0	Source: Public
There were no reports of damage.				
DUNN COUNTY --- 5.5 N MARSHALL [47.21, -102.34]				
	09/03/14 21:45 MST		0	Hail (1.00 in)
	09/03/14 21:47 MST		0	Source: Public
MCLEAN COUNTY --- 126.3 NNE HAYNES [47.65, -101.42]				
	09/03/14 22:18 CST		0	Hail (1.50 in)
	09/03/14 22:21 CST		0	Source: Public
MCLEAN COUNTY --- GARRISON [47.65, -101.42]				
	09/03/14 22:18 CST		0	Thunderstorm Wind (EG 56 kt)
	09/03/14 22:21 CST		0	Source: Public
Wind gusts were estimated by the public, and then relayed to the National Weather Service by a member of the broadcast media.				
MCLEAN COUNTY --- 1.2 SE COLEHARBOR [47.54, -101.20]				
	09/03/14 22:34 CST		0	Hail (1.00 in)
	09/03/14 22:37 CST		0	Source: Trained Spotter
MERCER COUNTY --- 14.5 S BEULAH [47.06, -101.78]				
	09/03/14 23:30 CST		0	Thunderstorm Wind (EG 52 kt)
	09/03/14 23:33 CST		0	Source: Storm Chaser
Wind gust speed was estimated by a storm chaser.				
MERCER COUNTY --- 0.8 SE HAZEN [47.29, -101.62]				
	09/03/14 23:42 CST		0	Hail (1.00 in)
	09/03/14 23:52 CST		0	Source: Trained Spotter
OLIVER COUNTY --- 9.9 W HANNOVER [47.12, -101.64], 1.5 SSW HANNOVER [47.10, -101.44]				
	09/03/14 23:45 CST		60K	Hail (1.75 in)
	09/03/14 23:51 CST		0	Source: Trained Spotter
Windows were broken out of the west side of a home.				
OLIVER COUNTY --- CENTER [47.12, -101.30]				
	09/03/14 23:55 CST		0	Hail (1.00 in)
	09/04/14 00:03 CST		0	Source: Trained Spotter
OLIVER COUNTY --- CENTER [47.12, -101.30]				
	09/04/14 00:00 CST		0.20M	Hail (2.75 in)
	09/04/14 00:03 CST		0.10M	Source: Public
There was damage to buildings and the hail stripped leaves from trees and broke branches. Hail ranged from quarter to baseball size.				
WELLS COUNTY --- 9.2 NW HURDSFIELD [47.56, -100.01]				
	09/04/14 00:00 CST		0	Hail (1.00 in)
	09/04/14 00:03 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - September 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WELLS COUNTY --- 0.9 W CHASELEY [47.45, -99.82]				
	09/04/14 00:13 CST		0	Hail (1.75 in)
	09/04/14 00:16 CST		0	Source: Public
MCLEAN COUNTY --- 1.2 SE WILTON [47.16, -100.78]				
	09/04/14 00:45 CST		0	Hail (1.00 in)
	09/04/14 00:49 CST		0	Source: Trained Spotter
FOSTER COUNTY --- CARRINGTON [47.45, -99.13]				
	09/04/14 01:00 CST		0.15M	Hail (1.50 in)
	09/04/14 01:03 CST		0	Source: Public
Vehicle damage occurred in Carrington.				
BURLEIGH COUNTY --- 6.2 S BALDWIN [46.94, -100.78]				
	09/04/14 01:05 CST		0	Hail (1.50 in)
	09/04/14 01:08 CST		0	Source: Public
FOSTER COUNTY --- CARRINGTON [47.45, -99.13]				
	09/04/14 01:11 CST		0	Hail (1.50 in)
	09/04/14 01:16 CST		0	Source: Emergency Manager
BURLEIGH COUNTY --- 8.8 SSE REGAN [47.03, -100.47]				
	09/04/14 01:15 CST		0	Hail (1.00 in)
	09/04/14 01:17 CST		0	Source: Trained Spotter
BURLEIGH COUNTY --- 10.5 S REGAN [47.00, -100.50]				
	09/04/14 01:20 CST		0	Hail (1.00 in)
	09/04/14 01:23 CST		0	Source: Public
FOSTER COUNTY --- CARRINGTON ARPT [47.45, -99.15]				
	09/04/14 01:24 CST		0	Thunderstorm Wind (MG 55 kt)
	09/04/14 01:26 CST		0	Source: AWOS
KIDDER COUNTY --- 2.3 NNW STEELE [46.88, -99.92]				
	09/04/14 02:00 CST		0	Hail (0.88 in)
	09/04/14 02:05 CST		0	Source: Trained Spotter
KIDDER COUNTY --- 2.3 NNW STEELE [46.88, -99.92]				
	09/04/14 02:00 CST		0	Thunderstorm Wind (EG 52 kt)
	09/04/14 02:05 CST		0	Source: Trained Spotter
The wind speed was estimated by a trained spotter. Sustained winds of 50 mph were also reported.				
MCLEAN COUNTY --- 1.2 SE WILTON [47.16, -100.78]				
	09/04/14 02:10 CST		0	Hail (1.25 in)
	09/04/14 02:12 CST		0	Source: Trained Spotter
<p>Strong shear with moderate instability developed over the region through the day of September 3. A surface low was over the western Dakotas ahead of an approaching cold front. A warm front was located near the North and South Dakota border in the afternoon. Severe storms developed over western North Dakota in the late afternoon as the cold front approached, and progressed east into the evening. The storms moved into central North Dakota late in the evening into the early morning of September 4.</p>				
PIERCE COUNTY --- 10.8 W SELZ [47.87, -100.11]				
	09/19/14 18:02 CST		0	Hail (0.88 in)
	09/19/14 18:04 CST		0	Source: Trained Spotter
WELLS COUNTY --- 1.5 SSW HARVEY ARPT [47.78, -99.94]				

Storm Data and Unusual Weather Phenomena - September 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	09/19/14 18:17 CST		0	Hail (0.75 in)
	09/19/14 18:19 CST		0	Source: Public

WELLS COUNTY --- 3.9 SSW WELLSBURG [47.78, -99.77]

	09/19/14 18:27 CST		0	Thunderstorm Wind (EG 52 kt)
	09/19/14 18:30 CST		0	Source: Trained Spotter

A trained spotter reported wind gusts up to 60 mph. The winds were accompanied by one-quarter inch diameter hail. There were no reports of damage.

WELLS COUNTY --- 3.3 E HARVEY [47.77, -99.83]

	09/19/14 18:30 CST		10K	Thunderstorm Wind (EG 56 kt)
	09/19/14 18:33 CST		0	Source: Public

Numerous trees and branches were reported down. The winds were accompanied by pea sized hail.

An isolated thunderstorm produced hail as it moved through far southern Pierce County into far northwest Wells County. The storm then produced severe winds as it moved east-southeast through northern Wells County.

LA MOURE COUNTY --- 4.1 WSW LA MOURE [46.33, -98.38]

	09/20/14 11:43 CST		0	Hail (1.00 in)
	09/20/14 11:45 CST		0	Source: Trained Spotter

There were no reports of damage.

A thunderstorm moving southeast through LaMoure County intensified and produced large hail as it approached the southeast part of the county.