Deaths &

Property &

Event Type and Details

Date/Time

Location

SHERIDAN COUNTY --- 0.5 E DENHOFF [47.48, -100.26]

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
BURKE COUNTY 2.7 ESE BATTLEVIEW [48.	56 -102 73]			
BONNE 000NTT 2.7 EOE BATTEEVIEW [40.	07/05/13 15:35 CST		20K	Thunderstorm Wind (EG 56 kt)
	07/05/13 15:45 CST		0	Source: Public
A camper was blown over four miles west of Pov	vers Lake on Highway 50.			
BURKE COUNTY 1.1 SW POWERS LAKE [4	8.56102.651			
•	07/05/13 15:38 CST		0	Thunderstorm Wind (EG 56 kt)
	07/05/13 15:45 CST		0	Source: Trained Spotter
Very heavy rain accompanied the strong winds.				
MOUNTRAIL COUNTY 2.3 NW STANLEY [48	•			
	07/05/13 16:27 CST		0	Thunderstorm Wind (EG 52 kt)
	07/05/13 16:32 CST		0	Source: Trained Spotter
Winds were estimated at over 60 miles per hour.				
MOUNTRAIL COUNTY 2.3 SE BELDEN ARP	= = = = = = = = = = = = = = = = = = = =		0	Thursdevotors Wind (FO FO IA)
	07/05/13 17:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/05/13 17:05 CST		0	Source: Trained Spotter
Very heavy rain accompanied the strong winds.				
MOUNTRAIL COUNTY 0.5 W NEW TOWN [4				
	07/05/13 17:12 CST		0	Thunderstorm Wind (EG 52 kt)
	07/05/13 17:17 CST		0	Source: Law Enforcement
Very heavy rain accompanied the strong winds.				
MOUNTRAIL COUNTY 0.5 W NEW TOWN [4			51	T
	07/05/13 17:15 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/05/13 17:18 CST		0	Source: Law Enforcement
Tree branches three inches in diameter were blo	wn down in New Town.			
WARD COUNTY 0.8 NNE DES LACS [48.26,	=			
	07/05/13 17:57 CST		0	Thunderstorm Wind (MG 69 kt)
	07/05/13 18:05 CST		0	Source: Public
WARD COUNTY 0.9 W MINOT [48.23, -101.3	=			T
	07/05/13 18:10 CST		0	Thunderstorm Wind (EG 52 kt)
	07/05/13 18:15 CST		0	Source: Public
Severe thunderstorm winds were reported in the	city Minot.			
WARD COUNTY 0.7 N SAWYER [48.09, -101	=			
	07/05/13 18:25 CST		0	Heavy Rain
	07/05/13 18:50 CST		0	Source: Broadcast Media
Heavy rainfall of 1.25 inches fell in 25 minutes in	Sawyer.			
Lead shortwave impulses ejecting across the	Northern Plains from a north	ern Rocky Mounta	ain trough triggere	d strong to severe
convection from eastern Montana into parts of	-			_
along a west to east orientated surface boundathunderstorm wind gusts.	ary over northwest and north	central North Da	kota where they pr	oduced severe
·				

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Deaths &

Injuries

Property &

Crop Dmg

0

Event Type and Details

Hail (1.75 in)

Date/Time

07/06/13 18:20 CST

Location

		0	Source: Law Enforcement	
	07/06/13 18:25 CST		Source. Law Emorcement	
SHERIDAN COUNTY 0.5 E DENHOFF [
	07/06/13 18:20 CST	0	Thunderstorm Wind (EG 52 kt)	
	07/06/13 18:25 CST	0	Source: Law Enforcement	
arge hail accompanied the strong winds.				
HERIDAN COUNTY 9.1 S GOODRICH	I [47.34, -100.09]			
	07/06/13 18:58 CST	0	Hail (1.75 in)	
	07/06/13 19:05 CST	0	Source: Trained Spotter	
(IDDER COUNTY 9.7 N TUTTLE [47.29	9 -99 991			
	07/06/13 19:01 CST	0	Hail (1.00 in)	
	07/06/13 19:07 CST	0	Source: Trained Spotter	
(IDDER COUNTY 9.7 N TUTTLE [47.29	9, -99.99] 07/06/13 19:01 CST	0	Thunderstorm Wind (EG 52 kt)	
	07/06/13 19:07 CST	0	Source: Trained Spotter	
	222.10 10.0. 001	ű	222.22	
_arge hail accompanied the strong winds.				
(IDDER COUNTY 6.8 SSW PETTIBON	E [47.03, -99.58]			
	07/06/13 19:59 CST	0	Hail (0.75 in)	
	07/06/42 20:0F CCT	•	Source: Trained Spotter	
A mid level shortwave trough moving no llong a surface cold front east of Highwa County, and tracked southeast into Kidd	07/06/13 20:05 CST 3 was in effect during this event. ortheast across Saskatchewan and Manitob ay 83 over central North Dakota. An isolate er County where it eventually dissipated no	d severe thunderstorm	on and evening convection developed over Sheridan	
A mid level shortwave trough moving no along a surface cold front east of Highwa County, and tracked southeast into Kidd winds accompanied this storm.	3 was in effect during this event. ortheast across Saskatchewan and Manitob ay 83 over central North Dakota. An isolate er County where it eventually dissipated no	a triggered late afterno d severe thunderstorm ear Interstate 94. Large	on and evening convection developed over Sheridan e hail and severe thunderstorm	
A mid level shortwave trough moving no llong a surface cold front east of Highwa County, and tracked southeast into Kidd vinds accompanied this storm.	3 was in effect during this event. ortheast across Saskatchewan and Manitob ay 83 over central North Dakota. An isolate er County where it eventually dissipated no 7 [47.61, -104.02] 07/08/13 16:55 MST	a triggered late afterno d severe thunderstorm ear Interstate 94. Large	on and evening convection developed over Sheridan e hail and severe thunderstorm Hail (1.00 in)	
A mid level shortwave trough moving no long a surface cold front east of Highwa County, and tracked southeast into Kidd vinds accompanied this storm.	3 was in effect during this event. ortheast across Saskatchewan and Manitob ay 83 over central North Dakota. An isolate er County where it eventually dissipated no	a triggered late afterno d severe thunderstorm ear Interstate 94. Large	on and evening convection developed over Sheridan e hail and severe thunderstorm	
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A mid level shortwave trough moving no along a surface cold front east of Highwa County, and tracked southeast into Kidd winds accompanied this storm.	3 was in effect during this event. ortheast across Saskatchewan and Manitob ay 83 over central North Dakota. An isolate er County where it eventually dissipated no orthogonal (47.61, -104.02) 07/08/13 16:55 MST 07/08/13 17:00 MST	a triggered late afterno d severe thunderstorm ear Interstate 94. Large	on and evening convection developed over Sheridan e hail and severe thunderstorm Hail (1.00 in)	
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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/08/13 17:55 MST	-	0	Thunderstorm Wind (EG 65 kt)
	07/08/13 18:05 MST		0	Source: Trained Spotter
o damage was reported with these very str	rong winds.			
ILLINGS COUNTY 9.5 NE FAIRFIELD [·			
	07/08/13 18:00 MST		75K	Thunderstorm Wind (EG 65 kt)
	07/08/13 18:10 MST		0	Source: Trained Spotter
evere thunderstorm winds flipped over a ca	alf shelter, blew down several power	er poles, and rolled	hay bales through	fencing.
ILLINGS COUNTY 9.9 NNE FAIRFIELD				
	07/08/13 18:00 MST		0	Thunderstorm Wind (MG 51 kt)
	07/08/13 18:05 MST		0	Source: COOP Observer
ILLINGS COUNTY 5.5 NE FAIRFIELD [47.23103.131			
	07/08/13 18:05 MST		0	Funnel Cloud
	07/08/13 18:08 MST		0	Source: Trained Spotter
brief funnel cloud was reported.			-	
brier furifier cloud was reported.				
OLDEN VALLEY COUNTY 9.8 SE GOL	VA [46.65, -103.81] 07/08/13 18:30 MST		0	Thunderstorm Wind /EC 52 Lt\
			0	Thunderstorm Wind (EG 52 kt)
	07/08/13 18:40 MST		0	Source: Trained Spotter
leavy rain accompanied the strong winds.				
DUNN COUNTY 0.9 E KILLDEER [47.37,	, -102.75]			
DUNN COUNTY 0.9 E KILLDEER [47.37,	- 102.75] 07/08/13 18:35 MST		0.18M	Thunderstorm Wind (EG 74 kt)
DUNN COUNTY 0.9 E KILLDEER [47.37,			0.18M 0	Thunderstorm Wind (EG 74 kt) Source: Trained Spotter
There were multiple reports of up to eight in	07/08/13 18:35 MST 07/08/13 18:45 MST	nd Killdeer. A han	0	Source: Trained Spotter
There were multiple reports of up to eight in planes damaged or destroyed.	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour	nd Killdeer. A han	0 ger at the Killdeer a	Source: Trained Spotter irport was destroyed, with several
There were multiple reports of up to eight in lanes damaged or destroyed.	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST	nd Killdeer. A han	0 ger at the Killdeer a	Source: Trained Spotter sirport was destroyed, with several Hail (1.00 in)
There were multiple reports of up to eight in lanes damaged or destroyed.	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour	nd Killdeer. A han	0 ger at the Killdeer a	Source: Trained Spotter irport was destroyed, with several
There were multiple reports of up to eight in planes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [46]	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST	nd Killdeer. A han	0 ger at the Killdeer a	Source: Trained Spotter sirport was destroyed, with several Hail (1.00 in) Source: Trained Spotter
There were multiple reports of up to eight in planes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [46]	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST	nd Killdeer. A han	0 ger at the Killdeer a	Source: Trained Spotter sirport was destroyed, with several Hail (1.00 in)
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There were multiple reports of up to eight in planes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [46] DUNN COUNTY 6.3 ENE EMERSON [47.] The strong winds caused tree damage.	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST .22, -102.53] 07/08/13 19:00 MST	nd Killdeer. A han	0 ger at the Killdeer a 0 0 0 25K 0	Source: Trained Spotter irport was destroyed, with several Hail (1.00 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Trained Spotter
There were multiple reports of up to eight in lanes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [46] DUNN COUNTY 6.3 ENE EMERSON [47.] The strong winds caused tree damage.	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST .22, -102.53] 07/08/13 19:00 MST 6, -102.34] 07/08/13 18:53 MST	nd Killdeer. A han	0 ger at the Killdeer a 0 0	Source: Trained Spotter iirport was destroyed, with several Hail (1.00 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Trained Spotter Thunderstorm Wind (EG 70 kt)
There were multiple reports of up to eight in planes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [46] DUNN COUNTY 6.3 ENE EMERSON [47.] The strong winds caused tree damage.	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST .22, -102.53] 07/08/13 19:00 MST	nd Killdeer. A han	0 ger at the Killdeer a 0 0 0 25K 0	Source: Trained Spotter irport was destroyed, with several Hail (1.00 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Trained Spotter
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There were multiple reports of up to eight in planes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [4/2] DUNN COUNTY 6.3 ENE EMERSON [47.2] The strong winds caused tree damage. DUNN COUNTY 0.5 W HALLIDAY [47.35] Severe thunderstorm winds tipped over came	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST 		0 ger at the Killdeer a 0 0 0 0 25K 0 0 80K 0	Source: Trained Spotter irport was destroyed, with several Hail (1.00 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Trained Spotter Thunderstorm Wind (EG 70 kt) Source: State Official alliday.
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DUNN COUNTY 0.9 E KILLDEER [47.37, There were multiple reports of up to eight in planes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [40] DUNN COUNTY 6.3 ENE EMERSON [47.35] DUNN COUNTY 0.5 W HALLIDAY [47.35] Gevere thunderstorm winds tipped over came	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST 		0 0 0 0 25K 0 80K 0 several homes in H	Source: Trained Spotter irport was destroyed, with several Hail (1.00 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Trained Spotter Thunderstorm Wind (EG 70 kt) Source: State Official alliday.
There were multiple reports of up to eight in planes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [4/2] DUNN COUNTY 6.3 ENE EMERSON [47.2] The strong winds caused tree damage. DUNN COUNTY 0.5 W HALLIDAY [47.35] Severe thunderstorm winds tipped over came of the country 1.7 NE HALLIDAY [47.35]	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST 		0 ger at the Killdeer a 0 0 0 25K 0 80K 0 several homes in H	Source: Trained Spotter irport was destroyed, with several Hail (1.00 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Trained Spotter Thunderstorm Wind (EG 70 kt) Source: State Official alliday. Thunderstorm Wind (EG 61 kt)
There were multiple reports of up to eight in planes damaged or destroyed. SLOPE COUNTY 19.4 WNW AMIDON [46] DUNN COUNTY 6.3 ENE EMERSON [47] The strong winds caused tree damage. DUNN COUNTY 0.5 W HALLIDAY [47,35] Severe thunderstorm winds tipped over cambun COUNTY 1.7 NE HALLIDAY [47,3] Heavy rain accompanied the strong winds.	07/08/13 18:35 MST 07/08/13 18:45 MST ch in diameter trees snapped arour 6.56, -103.71] 07/08/13 18:45 MST 07/08/13 18:50 MST .22, -102.53] 07/08/13 18:50 MST 07/08/13 19:00 MST 6, -102.34] 07/08/13 19:04 MST npers, took power lines down, and r 7, -102.31] 07/08/13 19:05 MST 07/08/13 19:15 MST		0 ger at the Killdeer a 0 0 0 25K 0 80K 0 several homes in H	Source: Trained Spotter irport was destroyed, with several Hail (1.00 in) Source: Trained Spotter Thunderstorm Wind (EG 61 kt) Source: Trained Spotter Thunderstorm Wind (EG 70 kt) Source: State Official alliday. Thunderstorm Wind (EG 61 kt)
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Gust front severe winds.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MORTON COUNTY 0.9 W HEBRON [46.9	· ·			
	07/08/13 20:29 CST 07/08/13 20:39 CST		0	Thunderstorm Wind (EG 61 kt) Source: Law Enforcement
Gust front severe winds.	07/00/13 20:39 631		Ü	Source. Law Enforcement
MORTON COUNTY GLEN ULLIN [46.82, -	.101.83] 07/08/13 20:30 CST		0	Thunderstorm Wind (EG 61 kt)
	07/08/13 20:40 CST		0	Source: Trained Spotter
Gust front severe winds.				
MERCER COUNTY 2.4 ESE HAZEN [47.2	9, -101.58]			
	07/08/13 20:35 CST		0	Thunderstorm Wind (MG 53 kt)
	07/08/13 20:45 CST		0	Source: AWOS
MORTON COUNTY 4.3 E HEBRON [46.90	· =			
	07/08/13 20:35 CST		0	Thunderstorm Wind (EG 61 kt)
	07/08/13 20:45 CST		0	Source: Law Enforcement
Gust front severe winds.				
MERCER COUNTY 2.4 ESE HAZEN [47.2	•			The death of Washing Follows
	07/08/13 20:55 CST 07/08/13 20:59 CST		0	Thunderstorm Wind (MG 56 kt) Source: AWOS
	07/06/13 20:39 CS1		U	Source: AWOS
MERCER COUNTY STANTON [47.32, -10	=			
	07/08/13 20:55 CST 07/08/13 20:59 CST		5K 0	Thunderstorm Wind (EG 56 kt) Source: Trained Spotter
Tree 18 inches in diameter knocked over.	07/00/10 20:00 001		Ü	Source. Trained Opolitei
MEDOED COUNTY 4 2 25 DIGW OITY 147	F4 404 453			
MERCER COUNTY 1.2 SE PICK CITY [47	.51, -101.45] 07/08/13 20:56 CST		0	Thunderstorm Wind (EG 52 kt)
	07/08/13 21:05 CST		0	Source: Trained Spotter
A strong thunderstorm wind gust was reporte	d.			
MCLEAN COUNTY 2.0 NE GARRISON M				
	07/08/13 21:14 CST		0	Thunderstorm Wind (EG 65 kt)
	07/08/13 21:20 CST		0	Source: Trained Spotter
Heavy rain accompanied the strong winds.				
MCLEAN COUNTY 0.9 W GARRISON [47				
	07/08/13 21:15 CST		0	Thunderstorm Wind (MG 55 kt)
	07/08/13 21:20 CST		0	Source: ASOS
BURLEIGH COUNTY 2.3 NE BISMARCK	-			
	07/08/13 21:40 CST 07/08/13 21:50 CST		0	Thunderstorm Wind (EG 52 kt) Source: NWS Employee
	01/00/10 21.00 001		U	Course. 14440 Employee
Strong winds reduced visibilities to less than	one mile along north Rismarck Evers	esway		
Strong winds reduced visibilities to less than	one mile along north Bismarck Expre	essway.		
Strong winds reduced visibilities to less than FOSTER COUNTY CARRINGTON ARPT		essway.	0	Thunderstorm Wind (MG 51 kt)

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FOSTER COUNTY --- CARRINGTON ARPT [47.45, -99.15]

				-
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/08/13 23:44 CST	,	0 0	Thunderstorm Wind (MG 56 kt)
	07/08/13 23:51 CST		0	Source: AWOS
OSTER COUNTY CARRINGTON [47	7.45, -99.13]			
	07/08/13 23:45 CST		15K	Thunderstorm Wind (EG 56 kt)
	07/08/13 23:50 CST		0	Source: Emergency Manager
Strong winds blew down several trees in	Carrington.			
Severe Thunderstorm Watch numbers	402 and 403 were in effect during thi	s event.		
A mid level shortwave trough moving e	east over north central Montana was	the trigger for afte	ernoon severe con	vection over central and
eastern Montana. Widespread thunders			-	-
heir intensity due to a moderately unsi		=		-
his initial surge of severe storms. By t	-		=	
where it produced severe thunderstorn	n winds across south central North L	akota and into th	e James River Val	ley.
DLIVER COUNTY 11.3 NW HANNOV	ER [47.22, -101.62]			
	07/09/13 14:19 CST		0	Hail (1.00 in)
	07/09/13 14:24 CST		0	Source: Trained Spotter
DLIVER COUNTY 0.7 S HANNOVER	[47.11101.43]			
	07/09/13 14:37 CST		0	Hail (1.75 in)
	07/09/13 14:46 CST		0	Source: Trained Spotter
				·
MORTON COUNTY 5.5 N JUDSON [4	6.91, -101.26], 5.0 NNE JUDSON [46.9	90, -101.23]		
	07/09/13 14:54 CST		95K	Tornado (EF0, L: 1.84 mi , W: 50 yd)
	07/09/13 14:57 CST		0	Source: Emergency Manager
destroyed two grain bins on a farmstead. wind speeds were on the order of 80 mile	es per hour.	to an EF0 on the I	Enhanced Fujita Sc	cale. From that it was determined that
MORTOR GOORT 0.0 E MARBAR [-	07/09/13 15:20 CST		0	Hail (0.88 in)
	07/09/13 15:25 CST		0	Source: Law Enforcement
OUDI FIGU COUNTY A COM BIOMAS	201/ 140 77 400 001			
BURLEIGH COUNTY 3.2 SW BISMAF	07/09/13 15:26 CST		0	Hail (1.00 in)
	07/09/13 15:28 CST		0	Source: Trained Spotter
			-	
OGAN COUNTY 6.2 NNW LEHR [46	.36, -99.41]			
•	07/09/13 16:27 CST		0	Hail (2.50 in)
	07/09/13 16:31 CST		0	Source: Trained Spotter
.OGAN COUNTY 5.5 S BURNSTAD [0	Hail (0.75 in)
	07/09/13 16:50 CST		0	Hail (0.75 in)
	07/09/13 16:55 CST		0	Source: Trained Spotter
Ninds to fifty miles per hour accompanie	d the hail.			
MCINTOSH COUNTY 0.7 N WISHEK	[46.2699.55]			
	07/09/13 16:53 CST		0	Hail (1.00 in)
	07/09/13 17:00 CST		0	Source: Trained Spotter
	07/09/13 17:00 CST		0	Source: Trained Spotter
ICINTOSH COUNTY 2.0 WNW WISH			0	Source: Trained Spotter
MCINTOSH COUNTY 2.0 WNW WISH			0 45K	Source: Trained Spotter Thunderstorm Wind (EG 56 kt)
IICINTOSH COUNTY 2.0 WNW WISH	EK [46.26, -99.59]			·

The severe thunderstorm winds blew two empty grain bins into a house causing damage, and destroyed a small wooden building.

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCINTOSH COUNTY 16.4 ENE ASHLEY [46.09	=			
	07/09/13 17:00 CST		0	Hail (1.75 in)
	07/09/13 17:05 CST		0	Source: Trained Spotter
MCINTOSH COUNTY 7.3 NE ASHLEY [46.11, -9	=			
	07/09/13 17:14 CST		0	Hail (0.88 in)
	07/09/13 17:19 CST		0	Source: Trained Spotter
DICKEY COUNTY 9.5 NW FORBES [46.04, -98.9	93]			
	07/09/13 17:15 CST		0	Hail (1.75 in)
	07/09/13 17:20 CST		0	Source: Trained Spotter
MCINTOSH COUNTY 5.2 NE ASHLEY [46.08, -9	9.29]			
	07/09/13 17:15 CST		0	Hail (1.00 in)
	07/09/13 17:20 CST		0	Source: Trained Spotter
DICKEY COUNTY 0.7 S FORBES [45.94, -98.78]				
• • • • • • • • • • • • • • • • • • • •	07/09/13 17:35 CST		0	Hail (1.75 in)
	07/09/13 17:39 CST		0	Source: Public
MCINTOSH COUNTY 7.7 E ASHLEY [46.03, -99	.21]			
	07/09/13 17:35 CST		0	Hail (2.00 in)
	07/09/13 17:39 CST		0	Source: Public
MCKENZIE COUNTY 31.1 S FAIRVIEW [47.40,	104.00]			
	07/11/13 15:59 MST		0	Hail (0.88 in)
	=		0 0	Hail (0.88 in) Source: Trained Spotter
MCKENZIE COUNTY 28.6 S FAIRVIEW [47.44,	07/11/13 15:59 MST 07/11/13 16:04 MST			
MCKENZIE COUNTY 28.6 S FAIRVIEW [47.44, -	07/11/13 15:59 MST 07/11/13 16:04 MST			
MCKENZIE COUNTY 28.6 S FAIRVIEW [47.44, -	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94]		0	Source: Trained Spotter
	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST		0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt)
Heavy rain accompanied the strong winds.	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST		0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt)
Heavy rain accompanied the strong winds.	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST		0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt)
Heavy rain accompanied the strong winds.	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter
Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt)
Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt) Source: AWOS
Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt)
Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9 DUNN COUNTY 7.9 NE NEW HRADEC [47.08, -	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST 102.76] 07/11/13 17:33 MST 07/11/13 17:40 MST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt) Source: AWOS Thunderstorm Wind (MG 70 kt)
Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9 DUNN COUNTY 7.9 NE NEW HRADEC [47.08, -	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST 102.76] 07/11/13 17:33 MST 07/11/13 17:40 MST		0 0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt) Source: AWOS Thunderstorm Wind (MG 70 kt) Source: Trained Spotter
Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9 DUNN COUNTY 7.9 NE NEW HRADEC [47.08, -	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST 102.76] 07/11/13 17:33 MST 07/11/13 17:40 MST		0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt) Source: AWOS Thunderstorm Wind (MG 70 kt)
Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9 DUNN COUNTY 7.9 NE NEW HRADEC [47.08,	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST 102.76] 07/11/13 17:33 MST 07/11/13 17:40 MST -75] 07/11/13 17:35 MST 07/11/13 17:43 MST		0 0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt) Source: AWOS Thunderstorm Wind (MG 70 kt) Source: Trained Spotter Hail (1.00 in)
Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9 DUNN COUNTY 7.9 NE NEW HRADEC [47.08,	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST 102.76] 07/11/13 17:33 MST 07/11/13 17:40 MST -75] 07/11/13 17:35 MST 07/11/13 17:43 MST		0 0 0 0 0	Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt) Source: AWOS Thunderstorm Wind (MG 70 kt) Source: Trained Spotter Hail (1.00 in) Source: Trained Spotter
MCKENZIE COUNTY 28.6 S FAIRVIEW [47.44, Heavy rain accompanied the strong winds. GOLDEN VALLEY COUNTY 0.9 E BEACH [46.9 DUNN COUNTY 7.9 NE NEW HRADEC [47.08, DUNN COUNTY 7.8 SW EMERSON [47.09, -102	07/11/13 15:59 MST 07/11/13 16:04 MST 103.94] 07/11/13 16:00 MST 07/11/13 16:10 MST 2, -103.98] 07/11/13 16:02 MST 07/11/13 16:07 MST 102.76] 07/11/13 17:33 MST 07/11/13 17:40 MST -75] 07/11/13 17:35 MST 07/11/13 17:43 MST		0 0 0 0	Source: Trained Spotter Thunderstorm Wind (EG 52 kt) Source: Trained Spotter Thunderstorm Wind (MG 58 kt) Source: AWOS Thunderstorm Wind (MG 70 kt) Source: Trained Spotter Hail (1.00 in)

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WILLIAMS COUNTY 6.2 NW RAY [48.41				11.11.44 = 7.1
	07/11/13 18:35 CST		0	Hail (1.75 in)
	07/11/13 18:40 CST		0	Source: Trained Spotter
Severe Thunderstorm Watch number 410	was in effect during this event.			
Late afternoon convection was triggered of moderate to strongly unstable air mass. T large hail and severe thunderstorm wind g	he storms maintained their intens	ity as they tracke	d into western No	-
MCKENZIE COUNTY 12.4 S EAST FAIR			_	
	07/13/13 15:18 MST		0	Hail (2.00 in)
	07/13/13 15:25 MST		0	Source: Public
MCKENZIE COUNTY 2.3 W WATFORD (CITY [47.80, -103.33]			
	07/13/13 15:48 MST		0	Hail (3.50 in)
	07/13/13 15:54 MST		0	Source: Law Enforcement
There were no reports of damage with this v	very large hail report.			
WILLIAMS COUNTY 1.1 NW WILLISTON	I [48.16, -103.64]			
	07/13/13 15:55 CST		0	Funnel Cloud
	07/13/13 15:56 CST		0	Source: Trained Spotter
A brief funnel cloud was observed.				
WILLIAMS COUNTY 9.6 NW TRENTON	[48.15, -104.02]			
	07/13/13 16:00 CST		0	Hail (1.00 in)
	07/13/13 16:10 CST		0	Source: Public
MCKENZIE COUNTY A O E WATEODD C	NTV (47 00 402 261			
MCKENZIE COUNTY 0.9 E WATFORD C	07/13/13 16:20 MST		0	Thunderstorm Wind (MG 54 kt)
	07/13/13 16:25 MST		0	Source: AWOS
DIVIDE COUNTY 14.6 SSE FORTUNA [4	8.73, -103.56] 07/13/13 16:32 CST		0	Hail (1.00 in)
	07/13/13 16:37 CST		0	Source: Public
WILLIAMS COUNTY 3.7 NNW (ISN)SLO	- · · · · · · · · · · · · · · · · · · ·			
	07/13/13 16:45 CST		0	Hail (0.75 in)
	07/13/13 16:51 CST		0	Source: Trained Spotter
WILLIAMS COUNTY 3.7 NNW (ISN)SLO	ULIN FLD WIL [48.23, -103.68]			
·	07/13/13 16:50 CST		0	Thunderstorm Wind (EG 52 kt)
	07/13/13 16:55 CST		0	Source: Trained Spotter
Heavy rain accompanied the strong winds.				
MCKENZIE COUNTY 2.8 N GRASSY BU	TTE [47.44, -103.25]			
	07/13/13 16:52 MST		0	Thunderstorm Wind (EG 56 kt)
	07/13/13 16:58 MST		0	Source: Public
The strong winds resulted in broken tree bra	anches.			
BURKE COUNTY 3.5 ESE COTEAU [48.	73, -102.25]			
BURKE COUNTY 3.5 ESE COTEAU [48.	73, -102.25] 07/13/13 17:45 CST		0	Thunderstorm Wind (MG 50 kt)

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ADAMS COUNTY --- 2.1 SSE REEDER [46.09, -102.94]

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/13/13 17:53 MST		0	Thunderstorm Wind (EG 52 kt)
	07/13/13 17:58 MST		0	Source: Public
severe thunderstorm wind gust was observe	d.			
BOTTINEAU COUNTY 4.9 S ANTLER [48.9	0, -101.28]			
	07/13/13 18:19 CST		0	Thunderstorm Wind (MG 50 kt)
	07/13/13 18:25 CST		0	Source: Mesonet
BOTTINEAU COUNTY 6.5 SW ANTLER [48	3.91, -101.38]			
	07/13/13 18:19 CST		0	Thunderstorm Wind (EG 52 kt)
	07/13/13 18:25 CST		0	Source: Trained Spotter
he strong winds blew down small tree branch	es.			
BOTTINEAU COUNTY 0.8 NNW BOTTINEA	AU [48.84, -100.44]			
	07/13/13 19:05 CST		0	Thunderstorm Wind (EG 52 kt)
	07/13/13 19:10 CST		0	Source: Trained Spotter
Heavy rain accompanied the strong winds.				
ROLETTE COUNTY 2.4 WSW DUNSEITH [-	48.81, -100.10]			
	07/13/13 19:37 CST		0	Thunderstorm Wind (EG 61 kt)
	07/13/13 19:43 CST		0	Source: Trained Spotter
Heavy rain accompanied the strong winds.				
ROLETTE COUNTY 2.3 NNW ROLLA [48.8	8, -99.62]			
	07/13/13 20:01 CST		0	Thunderstorm Wind (MG 50 kt)
	07/13/13 20:06 CST		0	Source: AWOS
Severe Thunderstorm Watch number 413 wa	s in effect during this event.			
An eastward moving surface trough from far associated with a mid level short wave impu thunderstorms over west and north central N large hail and severe thunderstorm wind gus	lse over southwest Saskatchev North Dakota during the late aft	wan, was the focus ernoon and eveni	for scattered stre	ong to severe
RENVILLE COUNTY 0.8 SSW MOHALL [48	•		_	
	07/15/13 22:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/15/13 22:10 CST		0	Source: Public
Heavy rain accompanied the strong winds.				
Fornado Watch number 415 was in effect du	ring this event.			
A warm frontal boundary across northeast N number 415 being issued in the mid afternoc and dissipated as it neared the western Nort Dakota during the evening, remaining sub-so	on. A long lived tornadic superon h Dakota border. Thunderstor	cell tracked across	s Roosevelt Count oss northwest and	ty in northeast Montana, I north central North
BURKE COUNTY 0.5 W LIGNITE [48.88, -1	02.56]			
	07/19/13 15:05 CST		0	Hail (1.50 in)
	07/19/13 15:10 CST		0	Source: Trained Spotter
MOUNTRAIL COUNTY 6.2 NNE STANLEY	[48.40102.32]			
	07/10/12 17:50 CST		0	Hoil (1.00 in)

Scattered strong to severe thunderstorms developed along and ahead of a surface cold front over north central North Dakota in the late afternoon and early evening hours. Large hail accompanied two of the stronger storms.

07/19/13 17:50 CST

07/19/13 17:55 CST

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Hail (1.00 in)

Source: Public

0

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MCKENZIE COUNTY 9.0 S ARNEGARD [4				
	07/21/13 13:00 MST		0	Hail (1.25 in)
	07/21/13 13:05 MST		0	Source: Trained Spotter
MCKENZIE COUNTY 13.8 S WATFORD CI				
	07/21/13 13:37 MST		0	Hail (1.25 in)
	07/21/13 13:42 MST		0	Source: Park/Forest Service
DUNN COUNTY 8.1 W MANNING [47.25, -1	102.94]			
	07/21/13 14:15 MST		0	Hail (1.75 in)
	07/21/13 14:20 MST		0	Source: Social Media
Public report of large hail.				
DUNN COUNTY 4.5 SW KILLDEER [47.32,	=			
	07/21/13 14:22 MST		0	Hail (1.00 in)
	07/21/13 14:29 MST		0	Source: Trained Spotter
DUNN COUNTY 0.9 E KILLDEER [47.37, -1	02.75]			
• • •	07/21/13 14:25 MST		0	Hail (0.75 in)
	07/21/13 14:30 MST		0	Source: COOP Observer
WILLIAMS COUNTY 5.5 S TIOGA [48.32, -	102 941			
WILLIAMS GOOK! 1 3.3 6 1100A [40.32, -	07/21/13 14:30 CST		0	Hail (1.75 in)
	07/21/13 14:35 CST		0	Source: Public
DUNN COUNTY OF WHALLIDAY 147 25	402.241			
DUNN COUNTY 0.5 W HALLIDAY [47.35, -	07/21/13 14:35 MST		0	Funnel Cloud
	07/21/13 14:36 MST		0	Source: COOP Observer
A brief funnel cloud was observed.				
WILLIAMS COUNTY 8.6 SE RAY [48.26, -1	03.04]			
	07/21/13 14:35 CST		0	Hail (0.75 in)
	07/21/13 14:40 CST		0	Source: Trained Spotter
DUNN COUNTY 8.3 S WERNER [47.25, -10	12 471			
DUNN COUNTY 0.3 3 WERNER [47.23, -10	07/21/13 14:40 MST		0	Hail (1.25 in)
	07/21/13 14:45 MST		0	Source: Trained Spotter
MOUNTPAIL COUNTY MUSTE FARTURE	29 402 771			
MOUNTRAIL COUNTY WHITE EARTH [48.	38, -102.77] 07/21/13 14:45 CST		0	Hail (1.50 in)
	07/21/13 14:50 CST		0	Source: Social Media
Public report of large hail.				
DUNN COUNTY 0.5 W HALLIDAY [47.35, -	102.341			
	07/21/13 14:56 MST		0	Hail (2.00 in)
	07/21/13 15:01 MST		55K	Source: Public
The large hail resulted in crop damage.				
DUNN COUNTY 1.4 W HALLIDAY [47.35, -	102.36]			
,	07/21/13 14:57 MST		0.11M	Hail (2.50 in)
	07/21/13 15:04 MST		0	Source: Public
The large hail damaged vehicles and homes in	n the city of Halliday.			

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DUNN COUNTY — 2.7 WSW MARSHALL [47.11, -102.38]	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
### MOUNTRAIL COUNTY 0.5 W NEW TOWN [47:98, -102.49] ### O77211/3 15:10 MST ### O77211/3 15:20 MST ### O77211/3 16:20 MS	 DUNN COUNTY 2.7 WSW MARSHALL [47	ː.11, -102.38]			
MOUNTRAIL COUNTY 0.5 W NEW TOWN [47.98, -102.49] 07/21/13 15:14 CST		07/21/13 15:00 MST		0	
### O7721/13 15:29 CST 0 Source: Law Enforcement #### STARK COUNTY 10.0 NE RICHARDTON [47.00, -102.20] ***O7721/13 15:15 MST 0 Hall (2.00 in) ***O7721/13 15:20 MST 0 Source: Trained Spotter ##################################		07/21/13 15:10 MST		0	Source: Trained Spotter
O7/21/13 15:29 CST	MOUNTRAIL COUNTY 0.5 W NEW TOWN	[47.98, -102.49]			
STARK COUNTY — 10.0 NE RICHARDTON [47.00, -102.20] 07721/13 15:15 MST 0 Source: Trained Spotter MOUNTRAIL COUNTY — 0.5 W NEW TOWN [47.98, -102.49] 07721/13 15:30 CST 0 Thunderstorm Wind [EG 52 kt) 07721/13 15:30 CST 0 Source: Law Enforcement STARK COUNTY — 10.0 NE RICHARDTON [47.00, -102.20] 07721/13 15:30 MST 0 Source: Public MOUNTRAIL COUNTY — 5.9 ESE NEW TOWN [47.95, -102.30] 07/21/13 15:40 CST 0 Source: Public MOUNTRAIL COUNTY — 0.9 NW NEW TOWN [47.99, -102.50] 07/21/13 15:45 CST 0 Source: Public MOUNTRAIL COUNTY — 0.9 NW NEW TOWN [47.99, -102.50], 0.9 NE NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.97, -102.50] 07/21/13 15:45 CST 0 Source: Law Enforcement Heavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. MORTON COUNTY — 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY — 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:35 CST 0 Source: Fire Department/Rescue MORTON COUNTY — 0.9 EDERING [48.40, -102.05] 07/21/13 16:35 CST 0 Source: Fire Department/Rescue MORTON COUNTY — 0.9 EDERING [48.40, -102.05] 07/21/13 16:35 CST 0 Source: Fire Department/Rescue MORTON COUNTY — 0.9 EDERING [48.90, -102.05] 07/21/13 16:35 CST 0 Source: Fire Department/Rescue		07/21/13 15:14 CST		0	Hail (1.50 in)
### ### ##############################		07/21/13 15:29 CST		0	Source: Law Enforcement
ACUNTRAIL COUNTY 0.5 W NEW TOWN [47.98, -102.49] O7721/13 15:20 CST	STARK COUNTY 10.0 NE RICHARDTON [47.00, -102.20]			
MOUNTRAIL COUNTY 0.5 W NEW TOWN [47.98, -102.49] 07/21/13 15.20 CST 0		07/21/13 15:15 MST		0	Hail (2.00 in)
07/21/13 15:30 CST 0 Thunderstorm Wind (EG 52 kt) 07/21/13 15:30 CST 0 Source: Law Enforcement ###################################		07/21/13 15:20 MST		0	Source: Trained Spotter
07/21/13 15:30 CST 0 Source: Law Enforcement arge hail accompanied the strong winds. TARK COUNTY 10.0 NE RICHARDTON [47.00, -102.20] 07/21/13 15:20 MST 0 Hail (1.75 in) 07/21/13 15:25 MST 0 Source: Public RIOUNTRAIL COUNTY 5.9 ESE NEW TOWN [47.95, -102.36] 07/21/13 15:45 CST 0 Source: Public RIOUNTRAIL COUNTY 0.9 NW NEW TOWN [47.95, -102.36] 07/21/13 15:45 CST 0 Source: Public RIOUNTRAIL COUNTY 0.9 NW NEW TOWN [47.99, -102.50], 0.9 NE NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW OWN [47.97, -102.50] 07/21/13 15:45 CST 65K Flash Flood (due to Heavy Rain) 07/21/13 17:25 CST 0 Source: Law Enforcement Reavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. RIORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:25 CST 0 Source: Fire Department/Rescue RIORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:35 CST 0 Source: Fire Department/Rescue RIORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:35 CST 0 Source: Public RICHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Source: Public RICHENRY COUNTY 0.9 W HEBRON [48.90, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Source: Public RICHENRY COUNTY 0.9 W HEBRON [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:42 CST 0 Source: Public RICHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:45 CST 0 Tomado (EFO, L: 4.55 mi , W: 50 yd)	OUNTRAIL COUNTY 0.5 W NEW TOWN	[47.98, -102.49]			
STARK COUNTY 10.0 NE RICHARDTON [47.00, -102.20] 07/21/13 15:25 MST 0 Source: Public ADUNTRAIL COUNTY 5.9 ESE NEW TOWN [47.95, -102.36] 07/21/13 15:45 CST 0 Source: Public ADUNTRAIL COUNTY 0.9 NW NEW TOWN [47.99, -102.50].0.9 NE NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.97, -102.46] 07/21/13 15:45 CST 0 Source: Law Enforcement 07/21/13 15:45 CST 0 Source: Law Enforcement 07/21/13 15:45 CST 0 Source: Law Enforcement 07/21/13 16:35 CST 0 Source: Public		07/21/13 15:20 CST		0	Thunderstorm Wind (EG 52 kt)
STARK COUNTY 10.0 NE RICHARDTON [47.00, -102.20] 07/21/13 15:25 MST 0		07/21/13 15:30 CST		0	Source: Law Enforcement
07/21/13 15:20 MST 0 Hail (1.75 in) 07/21/13 15:25 MST 0 Source: Public MOUNTRAIL COUNTY 5.9 ESE NEW TOWN [47.95, -102.36] 07/21/13 15:45 CST 0 Hail (0.88 in) 07/21/13 15:45 CST 0 Source: Public MOUNTRAIL COUNTY 0.9 NW NEW TOWN [47.99, -102.50], 0.9 NE NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.97, -102.50] 07/21/13 15:45 CST 65K Flash Flood (due to Heavy Rain) 07/21/13 17:25 CST 0 Source: Law Enforcement Heavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:24 CST 0 Hail (1.75 in) 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:27 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MORTON COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 0T/21/13 16:42 CST 0 Tomado (EF0, L: 4.55 mi, W: 50 yd)	.arge hail accompanied the strong winds.				
### ### ##############################	STARK COUNTY 10.0 NE RICHARDTON [•			
MOUNTRAIL COUNTY 5.9 ESE NEW TOWN [47.95, -102.36] 07/21/13 15:45 CST 0 Source: Public MOUNTRAIL COUNTY 0.9 NW NEW TOWN [47.99, -102.50], 0.9 NE NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.97, -102.50] 07/21/13 15:45 CST 65K Flash Flood (due to Heavy Rain) 07/21/13 17:25 CST 0 Source: Law Enforcement Heavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EFO, L: 4.55 mi , W: 50 yd)					
07/21/13 15:40 CST 0 Hail (0.88 in) 07/21/13 15:45 CST 0 Source: Public MOUNTRAIL COUNTY 0.9 NW NEW TOWN [47.99, -102.50], 0.9 NE NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.97, -102.50] 07/21/13 15:45 CST 65K Flash Flood (due to Heavy Rain) 07/21/13 17:25 CST 0 Source: Law Enforcement Heavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:30 CST 0 Hail (1.75 in) 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:35 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:42 CST 0 Source: Public At funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EFO, L: 4.55 mi , W: 50 yd)		07/21/13 15:25 MST		0	Source: Public
### ACHENRY COUNTY 0.9 NW NEW TOWN [47.99, -102.50], 0.9 NE NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.97, -102.50] ### OVER [47.97, -102.46], 1.1 WSW NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.99, -102.46], 1.1 WSW NEW TOWN [47.97, -102.46], 1.1 WSW NEW TOWN [47.99, -102.46], 1.1 WSW NEW TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOW	MOUNTRAIL COUNTY 5.9 ESE NEW TOW	/N [47.95, -102.36]			
MOUNTRAIL COUNTY 0.9 NW NEW TOWN [47.99, -102.50], 0.9 NE NEW TOWN [47.99, -102.47], 1.0 ESE NEW TOWN [47.97, -102.46], 1.1 WSW NEW FOWN [47.97, -102.50] 07/21/13 15:45 CST 65K Flash Flood (due to Heavy Rain) 07/21/13 17:25 CST 0 Source: Law Enforcement Heavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. WORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:30 CST 0 Hail (1.75 in) 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)		07/21/13 15:40 CST		0	Hail (0.88 in)
10 17 17 17 17 17 17 17		07/21/13 15:45 CST		0	Source: Public
TOWN [47.97, -102.50] 07/21/13 15:45 CST 65K Flash Flood (due to Heavy Rain) 07/21/13 17:25 CST 0 Source: Law Enforcement Heavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:24 CST 0 Hail (1.75 in) 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:35 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the tornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EFO, L: 4.55 mi, W: 50 yd)	MOUNTRAIL COUNTY 0.9 NW NEW TOW	N [47.99, -102.50], 0.9 NE NEW T	OWN [47.99, -102	.47], 1.0 ESE NEW	/ TOWN [47.97, -102.46], 1.1 WSW NEW
07/21/13 17:25 CST 0 Source: Law Enforcement Heavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:24 CST 0 Hail (1.75 in) 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:27 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)	「OWN [47.97, -102.50]		-	_	-
Heavy runoff from thunderstorms resulted in a flash flood in the city of New Town. Water was a few feet deep in town and running into buildings. MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:30 CST 0 Hail (1.75 in) 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:35 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Funnel Cloud A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)		07/21/13 15:45 CST		65K	Flash Flood (due to Heavy Rain)
MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:30 CST 0 Hail (1.75 in) 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:27 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Funnel Cloud 07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)		07/21/13 17:25 CST		0	Source: Law Enforcement
07/21/13 16:24 CST 0 Hail (1.75 in) 07/21/13 16:30 CST 0 Source: Fire Department/Rescue MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:27 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Funnel Cloud 07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)	leavy runoff from thunderstorms resulted in a	a flash flood in the city of New Tov	wn. Water was a fe	ew feet deep in tow	vn and running into buildings.
### MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] ### O7/21/13 16:27 CST	MORTON COUNTY 0.9 W HEBRON [46.90), -102.05]			
MORTON COUNTY 0.9 W HEBRON [46.90, -102.05] 07/21/13 16:27 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Funnel Cloud 07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EFO, L: 4.55 mi , W: 50 yd)		07/21/13 16:24 CST		0	Hail (1.75 in)
07/21/13 16:27 CST 0 Hail (2.75 in) 07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Funnel Cloud 07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)		07/21/13 16:30 CST		0	Source: Fire Department/Rescue
07/21/13 16:35 CST 0 Source: Public MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Funnel Cloud 07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi, W: 50 yd)	MORTON COUNTY 0.9 W HEBRON [46.90	, -102.05]			
MCHENRY COUNTY 0.9 E DEERING [48.40, -101.03], 7.0 NNW GRANVILLE [48.36, -100.90] 07/21/13 16:35 CST 0 Funnel Cloud 07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi, W: 50 yd)		07/21/13 16:27 CST		0	Hail (2.75 in)
07/21/13 16:35 CST 0 Funnel Cloud 07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)		07/21/13 16:35 CST		0	Source: Public
07/21/13 16:42 CST 0 Source: Public A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi, W: 50 yd)	MCHENRY COUNTY 0.9 E DEERING [48.4	0, -101.03], 7.0 NNW GRANVILL	E [48.36, -100.90]		
A funnel cloud was observed for several minutes. This funnel cloud eventually made contact with the ground as reported by an aircraft pilot. See the ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi, W: 50 yd)		07/21/13 16:35 CST		0	Funnel Cloud
Ornado entry for this same day in McHenry County. MCHENRY COUNTY 7.0 NNW GRANVILLE [48.36, -100.90], 3.0 N GRANVILLE [48.31, -100.83] 07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)		07/21/13 16:42 CST		0	Source: Public
07/21/13 16:42 CST 0 Tornado (EF0, L: 4.55 mi , W: 50 yd)			made contact with	the ground as rep	orted by an aircraft pilot. See the
	MCHENRY COUNTY 7.0 NNW GRANVILL	· · · · · · · · · · · · · · · · · ·	LLE [48.31, -100.8	=	Towards (FFO Lo A FF or 1 W FO)
		07/21/13 16:42 CST 07/21/13 16:51 CST		0	Tornado (EF0, L: 4.55 mi , W: 50 yd) Source: Airplane Pilot

of damage and so the tornado was rated EF0. Prior to touchdown a funnel cloud was observed for several minutes. See the funnel cloud entry for this

MORTON COUNTY --- 6.4 SE GLEN ULLIN [46.75, -101.74]

same day in McHenry County.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/21/13 16:45 CST		0	Hail (1.75 in)
	07/21/13 16:55 CST		0.18M	Source: Trained Spotter
The hail caused heavy damage to crops.				
MCHENRY COUNTY 6.0 SSW TOWNER	[48.27, -100.45]			
	07/21/13 17:15 CST		0	Hail (1.00 in)
	07/21/13 17:20 CST		0	Source: Trained Spotter
PIERCE COUNTY 1.1 NW BALTA [48.18,	100.051			
	07/21/13 17:55 CST		0	Hail (1.25 in)
	07/21/13 18:00 CST		75K	Source: Trained Spotter
The hail resulted in crop damage.				
MORTON COUNTY 2.8 N MANDAN [46.8	7, -100.89]			
	07/21/13 18:09 CST		0	Hail (0.88 in)
	07/21/13 18:14 CST		0	Source: Public
BURLEIGH COUNTY 0.8 NW BISMARCK	[46.81, -100.78]			
	07/21/13 18:15 CST		0	Hail (0.88 in)
	07/21/13 18:20 CST		0	Source: Trained Spotter
MORTON COUNTY 0.5 E MANDAN [46.8	3100.891			
•	07/21/13 18:20 CST		0	Hail (1.75 in)
	07/21/13 18:25 CST		0	Source: Law Enforcement
BURLEIGH COUNTY 0.8 NW BISMARCK	([46.81, -100,78]			
	07/21/13 18:21 CST		0	Thunderstorm Wind (EG 52 kt)
	07/21/13 18:30 CST		0	Source: Broadcast Media
Heavy rain accompanied the strong winds.				
BURLEIGH COUNTY 0.8 NW BISMARCK	[46.81, -100.78]			
	07/21/13 18:25 CST		0	Hail (0.88 in)
	07/21/13 18:30 CST		0	Source: Public
MORTON COUNTY 3.9 ESE MANDAN [4	6.80, -100.83]			
•	07/21/13 18:28 CST		0	Hail (1.00 in)
	07/21/13 18:33 CST		0	Source: Public

Tornado Watch number 428 was in effect during this event.

An eastward moving surface cold front and upper level shortwave trough combined with strong instability and wind shear to trigger a severe weather outbreak across much of west and central North Dakota. Storms initiated during the mid afternoon over northwest North Dakota, and continued to develop east and south through the mid evening hours. Originally, the Tornado Watch was mainly north of Interstate 94, but was later expanded southward as severe storms moved southeast, and as thunderstorms over south central North Dakota became severe. Very large hail, severe thunderstorm wind gusts, and very heavy rain accompanied the storms. In addition, one confirmed tornado rated EF0 briefly touched down in rural McHenry County.

HETTINGER COUNTY 0.8 SW MOTT [46.37, -102.33]					
07/29/13 1	12:00 MST	25K	Thunderstorm Wind (EG 61 kt)		
07/29/13 1	12:10 MST	0	Source: Public		

The severe thunderstorm winds blew down several large tree limbs in the city of Mott, along with snapping a thirty foot tall tree in half.

A severe thunderstorm moving through Hettinger County produced thunderstorm wind damage in the city of Mott.

MORTON COUNTY --- 0.5 E MANDAN [46.83, -100.89]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/30/13 23:45 CST		0	Hail (0.75 in)
	07/30/13 23:50 CST		0	Source: Trained Spotter
MORTON COUNTY 1.5 SSE MANDAN [46.81	ı, -100.89]			
	07/30/13 23:45 CST		0	Hail (1.00 in)
	07/30/13 23:50 CST		0	Source: Social Media
Public report of large hail.				
BURLEIGH COUNTY 2.0 NW BISMARCK [46	5.82, -100.80]			
	07/30/13 23:50 CST		0	Hail (1.00 in)
	07/30/13 23:56 CST		0	Source: Social Media
Public report of large hail.				
MORTON COUNTY 3.1 SE MANDAN [46.80,	-100.85]			
	07/30/13 23:50 CST		0	Hail (1.25 in)
	07/30/13 23:55 CST		0	Source: Social Media
Public report of large hail.				
BURLEIGH COUNTY 0.8 NE BISMARCK [46.	.81, -100.76]			
	07/30/13 23:55 CST		0	Hail (0.75 in)
	07/30/13 23:59 CST		0	Source: Public
BURLEIGH COUNTY 1.6 NW BISMARCK [46	5.81, -100.80]			
	07/30/13 23:55 CST		0	Hail (1.25 in)
	07/30/13 23:59 CST		0	Source: Broadcast Media
BURLEIGH COUNTY 0.5 W MENOKEN [46.8	2, -100.53]			
·	07/31/13 00:10 CST		0	Hail (0.75 in)
	07/31/13 00:15 CST		0	Source: Social Media

Public report of large hail.

A weak frontal boundary north of Interstate 94 in south central North Dakota moved slowly south late in the evening of the 30th and into the early morning of the 31st. Enough elevated instability and bulk wind shear was present to trigger a severe thunderstorm over the Bismarck and Mandan metropolitan area where it produced large hail.

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