Deaths &

Property &

**Event Type and Details** 

Date/Time

Location

STUTSMAN COUNTY --- 5.3 NW MEDINA [46.94, -99.37]

	Injuries	Crop Dmg	-
NORTH DAVOTA Control and West			
NORTH DAKOTA, Central and West			
GOLDEN VALLEY COUNTY 1.2 NE BEACH [46.93, -103.98]			
07/02/17 16:34 MST		0	Thunderstorm Wind (MG 52 kt)
07/02/17 16:44 MST		0	Source: AWOS
Thunderstorms developed over western North Dakota and western Mont modest instability and marginal shear. One storm became severe as it en mph wind gusts.		-	_
BURLEIGH COUNTY 5.8 NNW BISMARCK [46.88, -100.81]			
07/04/17 16:39 CST		0	Hail (0.88 in)
07/04/17 16:42 CST		0	Source: Public
BURLEIGH COUNTY 6.5 NNE BISMARCK [46.89, -100.73]			
07/04/17 16:42 CST		0	Hail (1.00 in)
07/04/17 16:45 CST		0	Source: Trained Spotter
07/04/17 10.43 031		J	Course. Trained opolici
BURLEIGH COUNTY 4.2 N BISMARCK [46.86, -100.77]			
07/04/17 17:10 CST		0	Hail (0.75 in)
07/04/17 17:13 CST		0	Source: COOP Observer
BURLEIGH COUNTY 2.0 NE STERLING [46.84, -100.25]			
07/04/17 17:41 CST		0	Thunderstorm Wind (MG 50 kt)
07/04/17 17:43 CST		0	Source: Mesonet
HETTINGER COUNTY 0.8 SW MOTT [46.37, -102.33] 07/05/17 14:30 MST		0	Hail (1.00 in)
07/05/17 14:34 MST		0	Source: Public
ADAMO COUNTY AND NE HAVANED MAD AD ADOLON			
ADAMS COUNTY 14.9 NE HAYNES [46.13, -102.26]		0	Hail (0.75 in)
07/05/17 14:50 MST		0	Hail (0.75 in)
07/05/17 14:53 MST		0	Source: Trained Spotter
GRANT COUNTY 2.1 S ELGIN [46.37, -101.85]			
07/05/17 15:10 MST		0	Thunderstorm Wind (EG 52 kt)
07/05/17 15:14 MST		0	Source: Public
Thunderstorm wind gust speeds were estimated by the public.			
GRANT COUNTY 0.5 E ELGIN [46.40, -101.84]			
07/05/17 15:20 MST		0	Hail (1.00 in)
07/05/17 15:23 MST		0	Source: Public
EMMONO COUNTY AS NE STRASPURO (12 42 42 42)			
EMMONS COUNTY 0.8 NE STRASBURG [46.14, -100.16] 07/05/17 18:05 CST		0	Thunderstorm Wind (EG 52 kt)
			· · ·
07/05/17 18:08 CST		0	Source: Law Enforcement
A sheriff deputy estimated thunderstorm wind gusts of at least 60 mph.			
KIDDER COUNTY 2.0 WSW PETTIBONE [47.11, -99.56]			
07/05/17 21:36 CST		0	Hail (1.00 in)
07/05/17 21:39 CST		0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/05/17 22:00 CST		0	Hail (0.88 in)
	07/05/17 22:03 CST		0	Source: Trained Spotter
TUTSMAN COUNTY 1.4 N MEDINA [46	.9099.301			
•	07/05/17 22:10 CST		0	Hail (0.75 in)
	07/05/17 22:13 CST		0	Source: Public
OTTINEAU COUNTY WESTHOPE [48.9	92101.021			
•	07/05/17 22:42 CST		0	Hail (1.00 in)
	07/05/17 22:45 CST		0	Source: Public
OTTINEAU COUNTY 0.7 S WESTHOPE	E [48.91, -101.02]			
	07/05/17 22:45 CST		0	Hail (1.25 in)
	07/05/17 22:48 CST		0	Source: Public
OTTINEAU COUNTY 0.7 S WESTHOPE	E [48.91, -101.02]			
	07/05/17 22:50 CST		0	Hail (1.75 in)
	07/05/17 22:53 CST		0	Source: Public
OTTINEAU COUNTY 0.7 S WESTHOPE	E [48.91, -101.02]			
	07/05/17 23:20 CST		0	Hail (1.75 in)
	07/05/17 23:23 CST		0	Source: Public
OTTINEAU COUNTY 3.5 N KRAMER [4	18.75, -100.71]			
	07/05/17 23:28 CST		0	Hail (1.00 in)
	07/05/17 23:31 CST		0	Source: Public
ICHENRY COUNTY 0.7 S BERWICK [48				
	07/06/17 00:12 CST		0	Hail (1.00 in)
	07/06/17 00:15 CST		0	Source: Public
ICHENRY COUNTY 1.5 NNW TOWNER	• •			
	07/06/17 00:24 CST		0	Hail (1.00 in)
	07/06/17 00:27 CST		0	Source: Public
ICHENRY COUNTY 2.0 NE TOWNER [4				
	07/06/17 00:30 CST		0	Hail (1.00 in)
	07/06/17 00:37 CST		0	Source: COOP Observer
PIERCE COUNTY 4.6 NW SELZ [47.89, -	•			
	07/06/17 01:35 CST		0	Hail (1.00 in)
	07/06/17 01:38 CST		0	Source: Trained Spotter
PIERCE COUNTY 1.2 NW SELZ [47.86, -	=			H-1/4 00 (-)
	07/06/17 01:45 CST		0	Hail (1.00 in)
	07/06/17 01:49 CST		0	Source: Trained Spotter
hunderstorms developed over southwes ecoming severe. As the storms moved a over central North Dakota. The strongest i the largest reported hail was golf ball size	nd developed east, greater instab reported thunderstorm wind gusts	ility was encounte	ered causing a shif	ft to primarily large hail
	3, -103.66]			
BOWMAN COUNTY 0.5 W RHAME [46.2				11 11 (4 00 : )
3OWMAN COUNTY 0.5 W RHAME [46.2	07/10/17 17:04 MST		0	Hail (1.00 in) Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/10/17 17:34 MST		25K	Hail (1.75 in)
	07/10/17 17:39 MST		0	Source: Public
The large hail broke windows in a home. To	ree damage was also reported.			
Thunderstorms developed over and near shear. Two thunderstorms became seven			<del>-</del>	
WILLIAMS COUNTY 0.8 NNW WILLIST	ON [48.16, -103.63] 07/11/17 13:59 CST		15K	Thunderstorm Wind (EG 61 kt)
	07/11/17 14:08 CST		0	Source: Emergency Manager
Elm trees in a park were knocked over by t	he thunderstorm wind gusts. Minor	damage occurred	to a tin roof on a st	ructure where some panels lifted off.
Thunderstorms formed along a cold from produced 70 mph winds in the Williston a			ernoon. One storn	n became severe and
MCHENRY COUNTY 4.2 S NORWICH [4				
	07/14/17 15:20 CST		0	Hail (1.75 in)
	07/14/17 15:23 CST		0	Source: Public
MERCER COUNTY 13.7 NNW HAZEN [-	47.47, -101.78]			
	07/14/17 15:55 CST		0	Hail (1.50 in)
	07/14/17 16:03 CST		0	Source: Public
MCHENRY COUNTY 2.0 WNW KONGSI	BERG [47.86, -100.84]			
	07/14/17 16:11 CST		0	Hail (1.00 in)
	07/14/17 16:15 CST		0	Source: Public
MCLEAN COUNTY 6.7 SE WASHBURN	[47.20, -100.94]			
	07/14/17 16:58 CST		0	Thunderstorm Wind (EG 56 kt)
	07/14/17 17:02 CST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm w	vind gusts of 65 mph.			
OLIVER COUNTY 6.2 SSE CENTER [47	7.04, -101.24]			
	07/14/17 17:07 CST		0	Thunderstorm Wind (MG 50 kt)
	07/14/17 17:10 CST		0	Source: Mesonet
MORTON COUNTY 0.5 E MANDAN MU	NI ARPT [46.77, -100.89]			
	07/14/17 17:58 CST		0	Thunderstorm Wind (MG 60 kt)
	07/14/17 18:03 CST		0	Source: AWOS
MORTON COUNTY 1.5 NNW MANDAN	MUNI ARPT [46.79, -100.91]			
	07/14/17 18:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/14/17 18:03 CST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm w	vind gusts of 60 mph.			
A cold front pushed into western and cer thunderstorms developed with strong win strongest thunderstorm wind gust report	nd gusts and large hail. The larges	<del>-</del>	-	
MCLEAN COUNTY 0.7 N GARRISON [4	7.66, -101.42]			
	07/16/17 21:00 CST		0	Thunderstorm Wind (MG 50 kt)
	07/16/17 21:04 CST		0	Source: ASOS
MCHENRY COUNTY 0.7 S KARLSRUHI	E [48.09, -100.62]			
	07/10/17 00 50 007			
	07/16/17 23:50 CST 07/16/17 23:55 CST		15K 0	Thunderstorm Wind (EG 61 kt) Source: Public

Large tree branches were broken down throughout the city of Karlsruhe.

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Short-lived thunderstorms developed on wind gusts, with one producing extens	<del>-</del>	night hours. Two	storms became s	evere producing strong
EMMONS COUNTY 0.8 NE STRASBU				
	07/18/17 02:45 CST		15K	Thunderstorm Wind (EG 56 kt)
	07/18/17 02:50 CST		0	Source: Trained Spotter
Several large tree branches broke in the	city of Strasburg. A pay-loader had to	be used to remove	e some branches.	
A broad area of thunderstorms formed	over southern North Dakota during	the early morning	hours One storm	n hecame severe and
produced damaging wind gusts in Emr	<del>-</del>	and during morning		. 5554.110 5575.15 4.14
GRANT COUNTY 9.7 W SHIELDS [46	5.21101.331			
	07/19/17 05:10 MST		0	Hail (1.00 in)
	07/19/17 05:15 MST		0	Source: Trained Spotter
ROLETTE COUNTY 1.4 W ST JOHN				
	07/19/17 07:30 CST		0	Hail (1.75 in)
	07/19/17 07:34 CST		0	Source: Public
HETTINGER COUNTY 16.0 N BURT [	/46 60 -102 111			
ILITINGER GOORTT 10.0 N BORT	07/19/17 08:05 MST		0	Hail (1.00 in)
	07/19/17 08:08 MST		0	Source: Public
ROLETTE COUNTY 1.6 ESE ROLETT		[48.66, -99.79]	_	
	07/19/17 08:35 CST		0	Tornado (EF0, L: 0.26 mi , W: 25 yd)
	07/19/17 08:36 CST		0	Source: Law Enforcement
• • •	rnado touching down approximately or	ne mile east of the	city of Rolette . The	e tornado lasted about one minute and
caused no damage. It was rated EF0. A strong low level jet combined with st distinct areas of thunderstorms develo central North Dakota. The main threat f	trong instability and shear to produc ped with the first one tracking over s from the southern storms was large	e severe thunders southern North Da	torms during the kota, and the sec	morning hours. Two ond one over far north
caused no damage. It was rated EF0.  A strong low level jet combined with st distinct areas of thunderstorms develo central North Dakota. The main threat f	trong instability and shear to produc ped with the first one tracking over s from the southern storms was large	e severe thunders southern North Da	torms during the kota, and the sec	morning hours. Two ond one over far north
caused no damage. It was rated EF0.  A strong low level jet combined with st distinct areas of thunderstorms develo central North Dakota. The main threat falong with a short lived tornado in Role	trong instability and shear to produce oped with the first one tracking over strom the southern storms was large ette County.  SON [47.67, -103.65]	e severe thunders southern North Da	torms during the akota, and the sec thern storms prod	morning hours. Two cond one over far north duced golf ball sized hail
caused no damage. It was rated EF0.  A strong low level jet combined with st distinct areas of thunderstorms develo central North Dakota. The main threat f along with a short lived tornado in Role	trong instability and shear to produce ped with the first one tracking over strom the southern storms was large ette County.  SON [47.67, -103.65]  07/20/17 13:50 MST	e severe thunders southern North Da	torms during the akota, and the sec thern storms prod	morning hours. Two cond one over far north duced golf ball sized hail Hail (1.00 in)
caused no damage. It was rated EF0.  A strong low level jet combined with st distinct areas of thunderstorms develocentral North Dakota. The main threat fullong with a short lived tornado in Role	trong instability and shear to produce oped with the first one tracking over strom the southern storms was large ette County.  SON [47.67, -103.65]	e severe thunders southern North Da	torms during the akota, and the sec thern storms prod	morning hours. Two cond one over far north duced golf ball sized hail
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caused no damage. It was rated EF0.  A strong low level jet combined with st distinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role MCKENZIE COUNTY 11.4 SSW RAW	trong instability and shear to produce to ped with the first one tracking over a from the southern storms was large lette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST	e severe thunders southern North Da	torms during the skota, and the secthern storms prod	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.00 in)
caused no damage. It was rated EF0.  A strong low level jet combined with st distinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role MCKENZIE COUNTY 11.4 SSW RAW	trong instability and shear to produce toped with the first one tracking over a from the southern storms was large lette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:56 MST 07/20/17 13:56 MST	e severe thunders southern North Da	torms during the akota, and the secthern storms prod	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.00 in) Source: Public
Caused no damage. It was rated EFO.  A strong low level jet combined with stadistinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role  MCKENZIE COUNTY 11.4 SSW RAW  MCKENZIE COUNTY 10.1 SSW RAW	trong instability and shear to produce oped with the first one tracking over a from the southern storms was large ette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:56 MST 07/20/17 13:56 MST  D CITY [47.66, -103.24] 07/20/17 14:19 MST 07/20/17 14:22 MST	e severe thunders southern North Da	torms during the skota, and the secthern storms prod	morning hours. Two ond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.00 in) Source: Public
Caused no damage. It was rated EFO.  A strong low level jet combined with stadistinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role  MCKENZIE COUNTY 11.4 SSW RAW  MCKENZIE COUNTY 10.1 SSW RAW	trong instability and shear to produce ped with the first one tracking over a from the southern storms was large ette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:56 MST 07/20/17 13:56 MST  D CITY [47.66, -103.24] 07/20/17 14:22 MST	e severe thunders southern North Da	torms during the skota, and the secthern storms prod	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Public
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caused no damage. It was rated EFO.  A strong low level jet combined with st distinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role  MCKENZIE COUNTY 11.4 SSW RAW  MCKENZIE COUNTY 10.1 SSW RAW	trong instability and shear to produce ped with the first one tracking over a from the southern storms was large ette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:56 MST 07/20/17 13:56 MST  D CITY [47.66, -103.24] 07/20/17 14:22 MST	e severe thunders southern North Da	torms during the skota, and the secthern storms prod	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Public
A Rolette County Deputy witnessed a tor caused no damage. It was rated EFO.  A strong low level jet combined with st distinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role MCKENZIE COUNTY 11.4 SSW RAW  MCKENZIE COUNTY 10.1 SSW RAW  MCKENZIE COUNTY 9.8 S WATFORD  MCKENZIE COUNTY 9.7 S WATFORD	trong instability and shear to produce toped with the first one tracking over a from the southern storms was large lette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:54 MST 07/20/17 13:56 MST  D CITY [47.66, -103.24] 07/20/17 14:29 MST  D CITY [47.66, -103.28] 07/20/17 14:24 MST 07/20/17 14:27 MST	e severe thunders southern North Da	torms during the skota, and the secthern storms produced there is to the storms produced the storms produc	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Public  Hail (1.50 in) Hail (1.50 in)
Caused no damage. It was rated EFO.  A strong low level jet combined with st distinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role  MCKENZIE COUNTY 11.4 SSW RAW  MCKENZIE COUNTY 10.1 SSW RAW  MCKENZIE COUNTY 9.8 S WATFORD  MCKENZIE COUNTY 9.8 S WATFORD	trong instability and shear to produce toped with the first one tracking over a from the southern storms was large lette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:54 MST 07/20/17 13:56 MST  D CITY [47.66, -103.24] 07/20/17 14:29 MST  D CITY [47.66, -103.28] 07/20/17 14:24 MST 07/20/17 14:27 MST	e severe thunders southern North Da	torms during the skota, and the secthern storms produced there is to the storms produced the storms produc	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Public  Hail (1.50 in) Hail (1.50 in)
caused no damage. It was rated EFO.  A strong low level jet combined with st distinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role  MCKENZIE COUNTY 11.4 SSW RAW  MCKENZIE COUNTY 10.1 SSW RAW  MCKENZIE COUNTY 9.8 S WATFORD  MCKENZIE COUNTY 9.8 S WATFORD	trong instability and shear to produce toped with the first one tracking over a from the southern storms was large lette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:54 MST 07/20/17 13:56 MST  D CITY [47.66, -103.24] 07/20/17 14:19 MST 07/20/17 14:22 MST  D CITY [47.66, -103.28] 07/20/17 14:24 MST 07/20/17 14:27 MST	e severe thunders southern North Da	torms during the akota, and the secthern storms produce there is the section of t	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Public  Hail (1.50 in) Source: Public
aused no damage. It was rated EFO.  A strong low level jet combined with st listinct areas of thunderstorms develorentral North Dakota. The main threat fillong with a short lived tornado in Role  MCKENZIE COUNTY 11.4 SSW RAW  MCKENZIE COUNTY 10.1 SSW RAW  MCKENZIE COUNTY 9.8 S WATFORD  MCKENZIE COUNTY 9.7 S WATFORD  MCKENZIE COUNTY 9.7 S WATFORD	rong instability and shear to produce oped with the first one tracking over a from the southern storms was large lette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:54 MST 07/20/17 13:56 MST  D CITY [47.66, -103.24] 07/20/17 14:19 MST 07/20/17 14:22 MST  D CITY [47.66, -103.28] 07/20/17 14:24 MST 07/20/17 14:27 MST	e severe thunders southern North Da	torms during the skota, and the secthern storms produce thern storms produce the storms p	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Public  Hail (1.25 in) Source: Public
caused no damage. It was rated EFO.  A strong low level jet combined with st distinct areas of thunderstorms develocentral North Dakota. The main threat falong with a short lived tornado in Role  MCKENZIE COUNTY 11.4 SSW RAW  MCKENZIE COUNTY 10.1 SSW RAW  MCKENZIE COUNTY 9.8 S WATFORD  MCKENZIE COUNTY 9.8 S WATFORD	rong instability and shear to produce oped with the first one tracking over a from the southern storms was large lette County.  SON [47.67, -103.65] 07/20/17 13:50 MST 07/20/17 13:52 MST  SON [47.68, -103.61] 07/20/17 13:54 MST 07/20/17 13:56 MST  D CITY [47.66, -103.24] 07/20/17 14:19 MST 07/20/17 14:22 MST  D CITY [47.66, -103.28] 07/20/17 14:24 MST 07/20/17 14:27 MST	e severe thunders southern North Da	torms during the skota, and the secthern storms produce thern storms produce the storms p	morning hours. Two cond one over far north duced golf ball sized hail  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Public  Hail (1.25 in) Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A hopper style grain bin was destroyed at a rar	nch. Electrical poles in the area w	ere snapped.		
SLOPE COUNTY 19.4 WNW AMIDON [46.5	•			
	07/20/17 15:05 MST		0	Hail (1.00 in)
	07/20/17 15:09 MST		0	Source: Trained Spotter
DUNN COUNTY 0.8 NW HALLIDAY [47.36,	-			
	07/20/17 15:23 MST		0.28M	Thunderstorm Wind (EG 80 kt)
	07/20/17 15:32 MST		0	Source: Law Enforcement
Multiple power poles were snapped in and around	und the community of Halliday.			
SLOPE COUNTY 5.6 SW AMIDON [46.42,	=			
	07/20/17 15:26 MST		90K	Thunderstorm Wind (EG 70 kt)
	07/20/17 15:32 MST		0	Source: Emergency Manager
Two outbuildings on a farm were toppled. Wind	dows on the home were broken.			
STARK COUNTY 2.4 W DICKINSON [46.88,	, -102.83]			
	07/20/17 15:26 MST		0	Hail (1.00 in)
	07/20/17 15:29 MST		0	Source: Public
BOWMAN COUNTY 4.0 SW RHAME [46.19	, -103.71]			
• • •	07/20/17 15:34 MST		0.10M	Thunderstorm Wind (EG 78 kt)
	07/20/17 15:41 MST		0	Source: Emergency Manager
DUNN COUNTY 0.8 NW HALLIDAY [47.36,	-102.34] 07/20/17 15:34 MST 07/20/17 15:39 MST		0	Hail (1.00 in) Source: Public
SLOPE COUNTY 10.4 SSW AMIDON [46.35	5, -103.43]			
	07/20/17 15:34 MST		80K	Thunderstorm Wind (EG 70 kt)
	07/20/17 15:40 MST		0	Source: Emergency Manager
A barn collapsed at a ranch, and animals were	trapped inside.			
BOWMAN COUNTY 5.0 WNW RHAME [46.2	25, -103.75]			
	07/20/17 15:39 MST		2K	Thunderstorm Wind (EG 52 kt)
	07/20/17 15:44 MST		0	Source: Trained Spotter
A motorcycle was knocked over and a flag was	s torn up.			
STARK COUNTY 0.5 W DICKINSON [46.88,	, -102.79]			
• • • • • • • • • • • • • • • • • • • •	07/20/17 15:42 MST		0	Hail (1.75 in)
	07/20/17 15:45 MST		0	Source: State Official
BOWMAN COUNTY 0.5 W GRIFFIN [46.22,	-103.541			
	07/20/17 16:07 MST		0.25M	Thunderstorm Wind (EG 80 kt)
	07/20/17 16:12 MST		0	Source: Emergency Manager
Power lines were down near Griffin.				
SLOPE COUNTY 14.8 SE AMIDON [46.31, -	.103.13]			
-	07/20/17 16:07 MST		75K	Thunderstorm Wind (EG 70 kt)
	07/20/17 16:12 MST		0	Source: Broadcast Media
Four grain grain bins were damaged by the thu	understorm winds.			

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BOWMAN COUNTY 3.4 W BUFFALO SPGS [	46.17, -103.30]			
	07/20/17 16:20 MST		0	Thunderstorm Wind (MG 63 kt)
	07/20/17 16:24 MST		0	Source: Mesonet
ADAMS COUNTY HETTINGER ARPT [46.02,	-102.65]			
	07/20/17 16:53 MST		0	Thunderstorm Wind (MG 50 kt)
	07/20/17 16:55 MST		0	Source: ASOS
RANT COUNTY 0.8 NE NEW LEIPZIG [46.38	3, -101.94]			
	07/20/17 17:30 MST		0	Thunderstorm Wind (EG 52 kt)
	07/20/17 17:33 MST		0	Source: Trained Spotter
A trained spotter estimated 60 mph thunderstorm	wind gusts.			
RANT COUNTY 0.7 N ELGIN [46.41, -101.85				
	07/20/17 17:35 MST		75K	Thunderstorm Wind (EG 65 kt)
	07/20/17 17:42 MST		0	Source: Trained Spotter
Shingles were blown off about one-quarter of a reity of Elgin.	oof on a home. Some plywood	l was also stripped	I from the roof. Mu	Itiple branches were down around the
noved through southwest into far south centra	al North Dakota in the evening		utii oi uuiilugo ii o	in ou ong windo coliniatou
as high as 95 mph. Electric Cooperatives in we ines. Damage was around \$1.5 million.	stern North Dakota reported		oles damaged, ald	ong with transmission
moved through southwest into far south central in high as 95 mph. Electric Cooperatives in we ines. Damage was around \$1.5 million.  NELLS COUNTY 0.9 W CHASELEY [47.45, -8	stern North Dakota reported		oles damaged, ald	Thunderstorm Wind (EG 52 kt)
as high as 95 mph. Electric Cooperatives in we ines. Damage was around \$1.5 million.	stern North Dakota reported			
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million. VELLS COUNTY 0.9 W CHASELEY [47.45, -9	99.82] 07/21/17 13:25 CST 07/21/17 13:30 CST		2K	Thunderstorm Wind (EG 52 kt)
is high as 95 mph. Electric Cooperatives in we ines. Damage was around \$1.5 million.  WELLS COUNTY 0.9 W CHASELEY [47.45, -5]  Several large branches were blown down in Chase	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.		2K	Thunderstorm Wind (EG 52 kt)
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  VELLS COUNTY 0.9 W CHASELEY [47.45, -5]  Several large branches were blown down in Chase	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.		2K	Thunderstorm Wind (EG 52 kt)
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  /ELLS COUNTY 0.9 W CHASELEY [47.45, 9]  everal large branches were blown down in Chase	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.		2K 0	Thunderstorm Wind (EG 52 kt) Source: Public
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  VELLS COUNTY 0.9 W CHASELEY [47.45, -9]  everal large branches were blown down in Characteristics.  VELLS COUNTY 2.1 NNW CATHAY [47.58, -9]	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley. 9.41] 07/21/17 13:30 CST		2K 0	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in)
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  VELLS COUNTY 0.9 W CHASELEY [47.45, -9]  Eleveral large branches were blown down in Chase of the county 2.1 NNW CATHAY [47.58, -9]	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley. 9.41] 07/21/17 13:30 CST		2K 0	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in)
as high as 95 mph. Electric Cooperatives in we ines. Damage was around \$1.5 million.	99.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley. 99.41] 07/21/17 13:30 CST 07/21/17 13:33 CST		2K 0	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter
as high as 95 mph. Electric Cooperatives in we ines. Damage was around \$1.5 million.  WELLS COUNTY 0.9 W CHASELEY [47.45, -9]  Several large branches were blown down in Chase were blown than the country 2.1 NNW CATHAY [47.58, -9]	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  9.41] 07/21/17 13:30 CST 07/21/17 13:33 CST 07/21/17 14:18 CST 07/21/17 14:23 CST	in excess of 60 po	2K 0 0 0.15M 0.10M the Juanita area.	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement  One foot diameter trees were broken
Is high as 95 mph. Electric Cooperatives in we ines. Damage was around \$1.5 million.  WELLS COUNTY 0.9 W CHASELEY [47.45, -8  Several large branches were blown down in Chase  WELLS COUNTY 2.1 NNW CATHAY [47.58, -8  FOSTER COUNTY JUANITA [47.50, -98.68]  Measured wind gusts to 74 mph combined with quotien. Wind driven hail caused damage to windown.	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  99.41] 07/21/17 13:30 CST 07/21/17 13:33 CST 07/21/17 14:18 CST 07/21/17 14:23 CST unuarter size hail to cause wides we, vehicles, and siding. A grateports of wind included estimate-98.57]	in excess of 60 po	2K 0 0 0.15M 0.10M the Juanita area.	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement  One foot diameter trees were broken oor was torn off a quonset hut. Crops
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  VELLS COUNTY 0.9 W CHASELEY [47.45, -5]  Eleveral large branches were blown down in Chase  VELLS COUNTY 2.1 NNW CATHAY [47.58, -5]  OSTER COUNTY JUANITA [47.50, -98.68]  fleasured wind gusts to 74 mph combined with quown. Wind driven hail caused damage to windowere damaged, with some corn flattened. Other received the company of	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  9.41] 07/21/17 13:30 CST 07/21/17 13:33 CST  07/21/17 14:18 CST 07/21/17 14:23 CST uarter size hail to cause wides we, vehicles, and siding. A grape ports of wind included estimates	in excess of 60 po	2K 0 0 0.15M 0.10M the Juanita area.	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement  One foot diameter trees were broken
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  VELLS COUNTY 0.9 W CHASELEY [47.45, -5]  Eleveral large branches were blown down in Chase of the county 2.1 NNW CATHAY [47.58, -5]  OSTER COUNTY JUANITA [47.50, -98.68]  Measured wind gusts to 74 mph combined with quown. Wind driven hail caused damage to windowere damaged, with some corn flattened. Other reconstructions of the county 0.7 N GLENFIELD [47.46, 10]	9.82] 07/21/17 13:25 CST 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  9.41] 07/21/17 13:30 CST 07/21/17 13:33 CST  07/21/17 14:18 CST 07/21/17 14:23 CST  uuarter size hail to cause wides we, vehicles, and siding. A grateports of wind included estimate ports of wind included estimate p	spread damage in ain truck was knoclates as high as 85	2K 0 0 0.15M 0.10M the Juanita area. ked over, and a domph.	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement One foot diameter trees were broken foor was torn off a quonset hut. Crops  Thunderstorm Wind (EG 78 kt)
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  VELLS COUNTY 0.9 W CHASELEY [47.45, -5]  Eleveral large branches were blown down in Chase of the county 2.1 NNW CATHAY [47.58, -5]  OSTER COUNTY JUANITA [47.50, -98.68]  Measured wind gusts to 74 mph combined with quown. Wind driven hail caused damage to windowere damaged, with some corn flattened. Other in COSTER COUNTY 0.7 N GLENFIELD [47.46, 10]  Multiple power lines and trees were down. A tract	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  9.41] 07/21/17 13:30 CST 07/21/17 13:33 CST  07/21/17 14:18 CST 07/21/17 14:23 CST  uarter size hail to cause wides ws, vehicles, and siding. A grateports of wind included estimately of the complex of the comp	spread damage in ain truck was knoclates as high as 85	2K 0 0 0.15M 0.10M the Juanita area. ked over, and a domph.	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement One foot diameter trees were broken foor was torn off a quonset hut. Crops  Thunderstorm Wind (EG 78 kt)
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  VELLS COUNTY 0.9 W CHASELEY [47.45, -5]  Eleveral large branches were blown down in Chase of the country 2.1 NNW CATHAY [47.58, -5]  OSTER COUNTY JUANITA [47.50, -98.68]  Measured wind gusts to 74 mph combined with quown. Wind driven hail caused damage to windowere damaged, with some corn flattened. Other recombined with some corn flattened.	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  9.41] 07/21/17 13:30 CST 07/21/17 13:33 CST  07/21/17 14:18 CST 07/21/17 14:23 CST  uarter size hail to cause wides ws, vehicles, and siding. A grateports of wind included estimately of the complex of the comp	spread damage in ain truck was knoclates as high as 85	2K 0 0 0.15M 0.10M the Juanita area. ked over, and a domph.	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement One foot diameter trees were broken foor was torn off a quonset hut. Crops  Thunderstorm Wind (EG 78 kt)
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  VELLS COUNTY 0.9 W CHASELEY [47.45, -5]  Eleveral large branches were blown down in Chase  VELLS COUNTY 2.1 NNW CATHAY [47.58, -5]  OSTER COUNTY JUANITA [47.50, -98.68]  Reasured wind gusts to 74 mph combined with quown. Wind driven hail caused damage to windowere damaged, with some corn flattened. Other in OSTER COUNTY 0.7 N GLENFIELD [47.46, Multiple power lines and trees were down. A trace	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  9.41] 07/21/17 13:30 CST 07/21/17 13:30 CST 07/21/17 13:33 CST  07/21/17 14:18 CST 07/21/17 14:23 CST uarter size hail to cause wides ws, vehicles, and siding. A graveports of wind included estimately of the complex of the c	spread damage in ain truck was knoclates as high as 85	2K 0 0 0.15M 0.10M the Juanita area. ked over, and a domph.	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement  One foot diameter trees were broken por was torn off a quonset hut. Crops  Thunderstorm Wind (EG 78 kt) Source: Law Enforcement
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  /ELLS COUNTY 0.9 W CHASELEY [47.45, -5]  everal large branches were blown down in Chase /ELLS COUNTY 2.1 NNW CATHAY [47.58, -5]  OSTER COUNTY JUANITA [47.50, -98.68]  leasured wind gusts to 74 mph combined with a county. Wind driven hail caused damage to windowere damaged, with some corn flattened. Other in OSTER COUNTY 0.7 N GLENFIELD [47.46, -1]  fulltiple power lines and trees were down. A tract  RANT COUNTY 10.2 WSW SHIELDS [46.18]	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  9.41] 07/21/17 13:30 CST 07/21/17 13:33 CST  07/21/17 14:18 CST 07/21/17 14:23 CST  uarter size hail to cause wides ws, vehicles, and siding. A grave ports of wind included estimate ports of wind included estimate ports of wind included estimate ports of virulation of the control of	spread damage in ain truck was knoclates as high as 85	2K 0 0 0.15M 0.10M the Juanita area. ked over, and a domph. 75K 20K	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement One foot diameter trees were broken oor was torn off a quonset hut. Crops  Thunderstorm Wind (EG 78 kt) Source: Law Enforcement  Hail (1.00 in)
s high as 95 mph. Electric Cooperatives in we nes. Damage was around \$1.5 million.  /ELLS COUNTY 0.9 W CHASELEY [47.45, -5]  everal large branches were blown down in Characteristics of the country 2.1 NNW CATHAY [47.58, -5]  OSTER COUNTY JUANITA [47.50, -98.68]  leasured wind gusts to 74 mph combined with quown. Wind driven hail caused damage to windowere damaged, with some corn flattened. Other in OSTER COUNTY 0.7 N GLENFIELD [47.46, 1]  lultiple power lines and trees were down. A tracteristics of the country in the country	9.82] 07/21/17 13:25 CST 07/21/17 13:30 CST seley.  9.41] 07/21/17 13:30 CST 07/21/17 13:33 CST  07/21/17 14:18 CST 07/21/17 14:23 CST  uarter size hail to cause wides ws, vehicles, and siding. A grave ports of wind included estimate ports of wind included estimate ports of wind included estimate ports of virulation of the control of	spread damage in ain truck was knoclates as high as 85	2K 0 0 0.15M 0.10M the Juanita area. ked over, and a domph. 75K 20K	Thunderstorm Wind (EG 52 kt) Source: Public  Hail (0.75 in) Source: Trained Spotter  Thunderstorm Wind (MG 64 kt) Source: Law Enforcement One foot diameter trees were broken oor was torn off a quonset hut. Crops  Thunderstorm Wind (EG 78 kt) Source: Law Enforcement  Hail (1.00 in)

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
EMMONS COUNTY 7.1 NNW HAGUE [46.13,	-100.01]			
	07/21/17 18:30 CST		0	Hail (1.75 in)
	07/21/17 18:35 CST		0	Source: Public
RENVILLE COUNTY 3.9 WNW LORAINE [48.6	89, -101.63]			
	07/21/17 19:00 CST		0	Hail (2.75 in)
	07/21/17 19:05 CST		0	Source: Public
RENVILLE COUNTY 0.9 W LORAINE [48.87,	-101.57]			
	07/21/17 19:05 CST		0	Hail (1.00 in)
	07/21/17 19:08 CST		0	Source: Public
MCLEAN COUNTY 0.7 S MAX [47.81, -101.30	]			
•	07/21/17 19:07 CST		0	Hail (1.00 in)
	07/21/17 19:10 CST		0	Source: Public
RENVILLE COUNTY 0.7 S LORAINE [48.86, -	101.55]			
	07/21/17 19:08 CST		0	Hail (1.75 in)
	07/21/17 19:12 CST		0	Source: Storm Chaser
LOGAN COUNTY 12.4 N LEHR [46.46, -99.35]	1			
•	07/21/17 19:32 CST		0	Hail (1.75 in)
	07/21/17 19:35 CST		0	Source: Public
BOTTINEAU COUNTY 0.5 E RENVILLE [48.7]				
•	07/21/17 19:37 CST		0	Hail (0.88 in)
	07/21/17 19:40 CST		0	Source: Public
MCLEAN COUNTY 0.8 NW WASHBURN [47.2	29, -101.03]			
•	07/21/17 19:38 CST		0	Hail (1.00 in)
	07/21/17 19:42 CST		0	Source: Public
BOTTINEAU COUNTY 5.5 N MAXBASS [48.8	0, -101.14]			
	07/21/17 19:40 CST		0	Hail (1.75 in)
	07/21/17 19:43 CST		0	Source: Trained Spotter
BOTTINEAU COUNTY 0.8 NNW MAXBASS [4	¥8.73, -101.14]			
	07/21/17 19:48 CST		0	Hail (1.00 in)
	07/21/17 19:51 CST		0	Source: Public
OLIVER COUNTY 3.9 WSW SANGER [47.15,		7.15, -101.07]		
	07/21/17 19:50 CST		0	Tornado (EF0, L: 0.17 mi , W: 25 yd)
	07/21/17 19:55 CST		0	Source: Public
There were numerous reports of this tornado over and so the tornado was rated EF0.	er a rural area of eastern Olive	r County. It was vi	sible from Bismarcl	s and Mandan. No damage occurred
BOTTINEAU COUNTY 0.8 SSE NEWBURG [4	=			
	07/21/17 20:00 CST		0	Hail (1.75 in)
	07/21/17 20:03 CST		0	Source: Public
BOTTINEAU COUNTY 0.8 SSW KRAMER [48	- · · · · · · · · · · · · · · · · · · ·			
	07/21/17 20:24 CST		0	Hail (1.00 in)
	07/21/17 20:27 CST		0	Source: Trained Spotter

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BOTTINEAU COUNTY --- 0.7 S KRAMER [48.69, -100.70]

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/21/17 20:27 CST		0	Hail (1.75 in)
	07/21/17 20:30 CST		0	Source: Public
DICKEY COUNTY 1.5 SSW MERRICOURT [46	.18, -98.76]			
	07/21/17 20:55 CST		0	Thunderstorm Wind (EG 52 kt)
	07/21/17 20:59 CST		0	Source: Public
Thunderstorm wind gusts were estimated by the p	public.			
DICKEY COUNTY 1.6 WNW MERRICOURT [46	6.21, -98.78]			
	07/21/17 21:00 CST		0	Hail (1.50 in)
	07/21/17 21:04 CST		0	Source: Public
DICKEY COUNTY 2.8 S MERRICOURT [46.16,	-98.74]			
• • •	07/21/17 21:00 CST		0	Hail (1.25 in)
	07/21/17 21:03 CST		0	Source: Trained Spotter
MORTON COUNTY 0.5 E MANDAN [46.83, -10	0.891			
	07/21/17 21:10 CST		0.25M	Hail (2.75 in)
	07/21/17 21:25 CST		0	Source: Trained Spotter
Large hail fell over a broad swath of the city of Ma	andan with the largest hail re	norted near the ha	seball field on 3rd	Street SW
		portou mouil and so		
MCHENRY COUNTY 0.5 W TOWNER [48.35, -	100.41] 07/21/17 21:16 CST		0	Hail (1.00 in)
	07/21/17 21:10 CST		0	Source: Public
	07/21/17 21.19 031		O	Source. Fublic
MCHENRY COUNTY 2.0 NE TOWNER [48.37,	-100.37]			
	07/21/17 21:16 CST		0	Hail (1.00 in)
	07/21/17 21:19 CST		0	Source: COOP Observer
BURLEIGH COUNTY 1.7 NW BISMARCK [46.8	32, -100.79]			
-	07/21/17 21:25 CST		0	Hail (1.75 in)
	07/21/17 21:29 CST		0	Source: Public
PIERCE COUNTY 4.6 SW RUGBY [48.33, -100	.061			
	07/21/17 21:30 CST		0	Funnel Cloud
	07/21/17 21:33 CST		0	Source: Trained Spotter
A brief funnel cloud was reported.				
BIIDI EIGH COIINTV A 9 CM (BIC\BICMA BC)	MIINI A [46 77 400 76]			
BURLEIGH COUNTY 0.8 SW (BIS)BISMARCK	07/21/17 21:40 CST		0	Hail (0.88 in)
	07/21/17 21:44 CST		0	Source: NWS Employee
PIERCE COUNTY 4.4 SSW RUGBY [48.31, -10	-			H-1/4 00 '->
	07/21/17 21:51 CST		0	Hail (1.00 in)
	07/21/17 21:54 CST		0	Source: Public
LA MOURE COUNTY VERONA [46.37, -98.07]				
	07/21/17 22:10 CST		0	Hail (1.00 in)
	07/21/17 22:13 CST		0	Source: Public
EMMONS COUNTY 0.7 N HAZELTON [46.49, -	100.28]			
	07/21/17 22:22 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/21/17 22:25 CST		0	Source: Trained Spotter
Compa lanna hannak sa basha da a sa sa sa				
Some large branches broke down in Hazelton.				

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MMONS COUNTY 5.5 S BRADDOCK [46	· •			
	07/21/17 22:36 CST		8K	Thunderstorm Wind (EG 61 kt)
	07/21/17 22:40 CST		0	Source: Public
any tree branches were broken down.				
OGAN COUNTY 7.5 WSW NAPOLEON [	· •		014	Thursday Mark (FO FOLD)
	07/21/17 22:45 CST 07/21/17 22:48 CST		2K 0	Thunderstorm Wind (EG 52 kt) Source: Public
ee branches were broken down.	0.12 22		ŭ	330.30.1.43.0
URLEIGH COUNTY 1.9 E MOFFIT [46.68	3100.241			
	07/21/17 22:47 CST		0	Thunderstorm Wind (MG 56 kt)
	07/21/17 22:49 CST		0	Source: Mesonet
ists were the primary concern with these cus for thunderstorm development, gradi curred in Foster County, while the larges so developed in Oliver County but product gher base of the thunderstorm.	ually moving east in the evening at hail was reported to be baseba	. The strongest wall size and fell in I	ind gusts, estimat Renville and Morto	ted around 90 mph, on counties. A tornado
OTTINEAU COUNTY 0.8 NNW ANTLER	[48.98, -101.28]			
	07/24/17 19:59 CST		0	Hail (1.00 in)
	07/24/17 20:04 CST		0	Source: Trained Spotter
ARD COUNTY 1.1 NW MINOT [48.24, -1	01 301			
	07/24/17 21:36 CST		0	Hail (1.25 in)
-				
	07/24/17 21:40 CST		0	Source: Trained Spotter
	07/24/17 21:40 CST		0	Source: Trained Spotter
	07/24/17 21:40 CST			·
	07/24/17 21:40 CST		0 0 0	Source: Trained Spotter  Hail (0.75 in)  Source: Public
ARD COUNTY 1.1 NW MINOT [48.24, -1	07/24/17 21:40 CST  01.30]  07/24/17 21:41 CST  07/24/17 21:44 CST		0	Hail (0.75 in)
ARD COUNTY 1.1 NW MINOT [48.24, -1	07/24/17 21:40 CST  01.30]  07/24/17 21:41 CST  07/24/17 21:44 CST		0	Hail (0.75 in)
ARD COUNTY 1.1 NW MINOT [48.24, -1	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST		0	Hail (0.75 in) Source: Public
ARD COUNTY 1.1 NW MINOT [48.24, -1	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST		0 0	Hail (0.75 in) Source: Public  Hail (1.00 in)
ARD COUNTY 1.1 NW MINOT [48.24, -1	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST		0 0	Hail (0.75 in) Source: Public  Hail (1.00 in)
ARD COUNTY 1.1 NW MINOT [48.24, -1	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST		0 0 0	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public
ARD COUNTY 1.1 NW MINOT [48.24, -1 ARD COUNTY 1.1 NW MINOT [48.24, -1 OTTINEAU COUNTY 2.8 SE ROTH [48.9	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST  02, -100.56] 07/24/17 22:53 CST 07/24/17 22:56 CST	ern portions of No	0 0 0 0	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Law Enforcement
VARD COUNTY 1.1 NW MINOT [48.24, -1 VARD COUNTY 1.1 NW MINOT [48.24, -1 OTTINEAU COUNTY 2.8 SE ROTH [48.9 evere thunderstorms formed along a cold ail was the result.	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST  12, -100.56] 07/24/17 22:53 CST 07/24/17 22:56 CST  front that moved through northough	ern portions of No	0 0 0 0 0 0 rth Dakota in the l	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Law Enforcement
ARD COUNTY 1.1 NW MINOT [48.24, -1] ARD COUNTY 1.1 NW MINOT [48.24, -1] OTTINEAU COUNTY 2.8 SE ROTH [48.9] evere thunderstorms formed along a cold ail was the result.	07/24/17 21:40 CST  01.30]  07/24/17 21:41 CST  07/24/17 21:44 CST  01.30]  07/24/17 21:48 CST  07/24/17 21:51 CST  12, -100.56]  07/24/17 22:53 CST  07/24/17 22:56 CST  front that moved through norther  TY [47.66, -103.32]  07/29/17 13:49 MST	ern portions of No	0 0 0 0 0 0 rth Dakota in the I	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Law Enforcement late evening hours. Large
ARD COUNTY 1.1 NW MINOT [48.24, -1] ARD COUNTY 1.1 NW MINOT [48.24, -1] OTTINEAU COUNTY 2.8 SE ROTH [48.9] evere thunderstorms formed along a cold ail was the result.	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST  12, -100.56] 07/24/17 22:53 CST 07/24/17 22:56 CST  front that moved through northough	ern portions of No	0 0 0 0 0 0 rth Dakota in the l	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Law Enforcement
VARD COUNTY 1.1 NW MINOT [48.24, -1 VARD COUNTY 1.1 NW MINOT [48.24, -1 OTTINEAU COUNTY 2.8 SE ROTH [48.9 evere thunderstorms formed along a cold ail was the result.	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST  12, -100.56] 07/24/17 22:53 CST 07/24/17 22:56 CST  front that moved through norther  TY [47.66, -103.32] 07/29/17 13:49 MST 07/29/17 13:52 MST	ern portions of No	0 0 0 0 0 0 rth Dakota in the I	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Law Enforcement late evening hours. Large
ARD COUNTY 1.1 NW MINOT [48.24, -1  ARD COUNTY 1.1 NW MINOT [48.24, -1  OTTINEAU COUNTY 2.8 SE ROTH [48.9  evere thunderstorms formed along a cold ail was the result.  CKENZIE COUNTY 9.8 S WATFORD CIT	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST  12, -100.56] 07/24/17 22:53 CST 07/24/17 22:56 CST  front that moved through norther  TY [47.66, -103.32] 07/29/17 13:49 MST 07/29/17 13:52 MST	ern portions of No	0 0 0 0 0 0 rth Dakota in the I	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Law Enforcement late evening hours. Large
ARD COUNTY 1.1 NW MINOT [48.24, -1]  ARD COUNTY 1.1 NW MINOT [48.24, -1]  OTTINEAU COUNTY 2.8 SE ROTH [48.9]  evere thunderstorms formed along a cold ail was the result.  CKENZIE COUNTY 9.8 S WATFORD CIT	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST  12, -100.56] 07/24/17 22:53 CST 07/24/17 22:56 CST  front that moved through norther  TY [47.66, -103.32] 07/29/17 13:49 MST 07/29/17 13:52 MST	ern portions of No	0 0 0 0 0 rth Dakota in the I	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Law Enforcement  late evening hours. Large  Thunderstorm Wind (MG 54 kt) Source: Mesonet
/ARD COUNTY 1.1 NW MINOT [48.24, -1  /ARD COUNTY 1.1 NW MINOT [48.24, -1  OTTINEAU COUNTY 2.8 SE ROTH [48.9  evere thunderstorms formed along a cold ail was the result.  ICKENZIE COUNTY 9.8 S WATFORD CIT	07/24/17 21:40 CST  01.30] 07/24/17 21:41 CST 07/24/17 21:44 CST  01.30] 07/24/17 21:48 CST 07/24/17 21:51 CST  12, -100.56] 07/24/17 22:53 CST 07/24/17 22:56 CST  front that moved through norther  FY [47.66, -103.32] 07/29/17 13:49 MST 07/29/17 13:52 MST  48.90, -101.92] 07/29/17 15:36 CST	ern portions of No	0 0 0 0 0 rth Dakota in the I	Hail (0.75 in) Source: Public  Hail (1.00 in) Source: Public  Hail (1.50 in) Source: Law Enforcement  late evening hours. Large  Thunderstorm Wind (MG 54 kt) Source: Mesonet  Thunderstorm Wind (EG 61 kt)

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Deaths &

Property &

**Event Type and Details** 

Date/Time

Location

Location	Dute/Time	Injuries	Crop Dmg	Event Type and Betans
	07/29/17 17:15 CST		0	Hail (1.00 in)
	07/29/17 17:17 CST		0	Source: Public
VILLIAMS COUNTY 0.5 W GR	ENORA [48.62, -103.94]			
	07/29/17 17:59 CST		0	Funnel Cloud
	07/29/17 18:01 CST		0	Source: Law Enforcement
A short-lived funnel cloud was rep	orted.			
Thunderstorms formed along a v	veak frontal boundary in an environment o	f favorable deep la	ayer shear and ins	tability. A few storms
became severe with large hail an	d strong wind gusts.			
HETTINGER COUNTY 9.7 N BU			•	H-1/0 00 :- )
	07/31/17 13:15 MST		0	Hail (0.88 in)
	07/31/17 13:18 MST		0	Source: Public
HETTINGER COUNTY 11.3 NN				
	07/31/17 13:30 MST		0	Hail (1.50 in)
	07/31/17 13:33 MST		20K	Source: Public
Barley crops were damaged by the	e hail.			
HETTINGER COUNTY 3.2 NW	BURT [46.40, -102.20]			
	07/31/17 13:55 MST		0	Hail (1.00 in)
	07/31/17 13:59 MST		0	Source: Public
	T LINCOLN [46.88100.69]			
BURLEIGH COUNTY 5.9 NW F			0	Hail (1.25 in)
BURLEIGH COUNTY 5.9 NW F	07/31/17 17:11 CST		0	11411 (1.20 111)
BURLEIGH COUNTY 5.9 NW F			0	Source: Public
	07/31/17 17:11 CST 07/31/17 17:14 CST			
BURLEIGH COUNTY 5.9 NW F	07/31/17 17:11 CST 07/31/17 17:14 CST			

Thunderstorms developed along a cold front in an environment with enhanced instability and modest deep layer shear. Some thunderstorms became severe producing large hail.

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