

Storm Data and Unusual Weather Phenomena - December 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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IOWA, Southwest

(IA-Z043) MONONA, (IA-Z055) HARRISON, (IA-Z056) SHELBY

12/01/13 06:00 CST	0	Cold/Wind Chill
12/01/13 09:00 CST	0	

A fresh snow pack over western Iowa combined with Arctic high pressure that built into western Nebraska during the predawn hours of December 9th and brought very cold wind chill values to eastern Nebraska and western Iowa. Low temperatures fell to around zero to 10 below over the region, and when combined with west to northwest winds of 10 to 15 mph, wind chill values fell to around 20 below or a little colder for several hours.

(IA-Z080) MONTGOMERY, (IA-Z090) FREMONT, (IA-Z091) PAGE

12/21/13 22:00 CST	0	Winter Weather
12/22/13 05:00 CST	0	

A strong storm system moved into the central Plains on Saturday morning December 21st. This storm system brought widespread significant ice accumulation to parts of the southern Plains to the upper Mississippi River Valley. To the north of the icing, a swath of heavy snow extended from central Kansas northeast to eastern Iowa, include parts of southeast Nebraska and southwest Iowa. Snow spread into the area late on Saturday afternoon, becoming heavy during the evening, and tapered to flurries by Sunday morning as the storm system moved off to the east.

(IA-Z043) MONONA

12/23/13 04:00 CST	0	Cold/Wind Chill
12/23/13 08:00 CST	0	

Arctic high pressure building across the plains dropped low temperatures below zero across much of the area during the morning of December 23rd. When combined with north winds of 10 to 15 mph, wind chill values over the region dropped to around 20 below for several hours.

(IA-Z043) MONONA, (IA-Z055) HARRISON, (IA-Z056) SHELBY

12/29/13 08:00 CST	0	Cold/Wind Chill
12/29/13 10:00 CST	0	

Arctic high pressure the pushed into southeast South Dakota during the morning of December 29th brought readings into the low single digits to eastern Nebraska and west central Iowa. When combined with northwest winds of 15 to 30 mph, wind chill values dropped to around 20 below to 25 below zero for several hours.

NEBRASKA, East

(NE-Z011) KNOX, (NE-Z012) CEDAR, (NE-Z015) THURSTON, (NE-Z016) ANTELOPE, (NE-Z017) PIERCE, (NE-Z018) WAYNE, (NE-Z030) BOONE, (NE-Z031) MADISON, (NE-Z032) STANTON, (NE-Z033) CUMING, (NE-Z034) BURT, (NE-Z042) PLATTE, (NE-Z043) COLFAX, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z065) SEWARD, (NE-Z066) LANCASTER, (NE-Z078) SALINE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE

12/01/13 02:00 CST	0	Cold/Wind Chill
12/01/13 09:00 CST	0	

A fresh snow pack over eastern Nebraska combined with Arctic high pressure that built into western Nebraska during the predawn hours of December 9th and brought very cold wind chill values to eastern Nebraska and western Iowa. Low temperatures fell to around zero to 10 below over the region, and when combined with west to northwest winds of 10 to 15 mph, wind chill values fell to around 20 below or a little colder for several hours.

(NE-Z065) SEWARD

12/07/13 22:00 CST	0	Heavy Snow
12/08/13 22:00 CST	0	

(NE-Z078) SALINE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON

12/07/13 22:00 CST	0	Winter Weather
12/08/13 22:00 CST	0	

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An upper level disturbance moved across the plains on top of Arctic air that was in place over the region. This resulted in an 18-24 hour period of light to occasionally moderate snow that fell across much of eastern Nebraska. Due to the cold temperatures in place, readings in the single digits and teens, the ratio of snow to liquid was quite high, around 20 to 1 in many instances. However, although winds were fairly light which limited the blowing and drifting, the extreme cold limited the effectiveness of any chemical/salt treatments and snow plowing still left many roads slick. The early season nature of the event, and the slickness of the roads, caused many traffic accidents. In the Lincoln area, several semi-trucks jackknifed on Interstate 80 near town closing the interstate down for a while. Snow amounts were mostly 3 to 6 inches from Lincoln to Seward then south through Gage and Jefferson counties and also southeast across Pawnee and Richardson counties. Higher totals included around 8 inches in Utica, and 6-7 inches near Friend, Fairbury, Adams and Shubert. Around 5 inches fell in the Lincoln area.

(NE-Z091) NEMAHA, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON

12/21/13 18:00 CST	0	Heavy Snow
12/22/13 05:00 CST	0	

(NE-Z068) OTOE, (NE-Z089) GAGE, (NE-Z090) JOHNSON

12/21/13 20:00 CST	0	Winter Weather
12/22/13 06:00 CST	0	

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(NE-Z011) KNOX, (NE-Z012) CEDAR, (NE-Z015) THURSTON, (NE-Z016) ANTELOPE, (NE-Z017) PIERCE, (NE-Z018) WAYNE, (NE-Z031) MADISON, (NE-Z032) STANTON, (NE-Z033) CUMING, (NE-Z034) BURT

12/23/13 03:00 CST	0	Cold/Wind Chill
12/23/13 11:00 CST	0	

Arctic high pressure building across the plains dropped low temperatures below zero across much of the area during the morning of December 23rd. When combined with north winds of 10 to 15 mph, wind chill values over the region dropped to around 20 below for several hours.

(NE-Z011) KNOX, (NE-Z012) CEDAR, (NE-Z015) THURSTON, (NE-Z016) ANTELOPE, (NE-Z017) PIERCE, (NE-Z018) WAYNE, (NE-Z031) MADISON, (NE-Z032) STANTON, (NE-Z033) CUMING

12/29/13 03:00 CST	0	Cold/Wind Chill
12/29/13 10:00 CST	0	

Arctic high pressure the pushed into southeast South Dakota during the morning of December 29th brought readings into the low single digits to eastern Nebraska and west central Iowa. When combined with northwest winds of 15 to 30 mph, wind chill values dropped to around 20 below to 25 below zero for several hours.