

Storm Data and Unusual Weather Phenomena - February 2009

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

IOWA, Southwest

(IA-Z056) SHELBY

| | | | | |
|--------------------|--|---|---|-----------------------|
| 02/09/09 17:00 CST | | | 0 | High Wind (MAX 55 kt) |
| 02/09/09 18:00 CST | | 1 | 0 | |

Low pressure tracked from western Nebraska into northern Minnesota from the morning of February 9th through the morning of the 10th. The low brought very strong south winds to sections of western Iowa knocking 3 semis down in a six-mile stretch of Interstate 80 near Shelby.

(IA-Z069) POTTAWATTAMIE

| | | | | |
|--------------------|--|--|---|------------|
| 02/13/09 09:00 CST | | | 0 | Heavy Snow |
| 02/13/09 17:00 CST | | | 0 | |

Low pressure tracked from the Oklahoma panhandle into the Ohio Valley from February 13th through the 14th. This system brought heavy snow to around a 50 mile wide swath across eastern Nebraska and western Iowa generally along and north of Interstate 80 in eastern Nebraska and along and south of the interstate in western Iowa. The heaviest snow stretched from Columbus and David City Nebraska east through Omaha and then to Underwood and Oakland Iowa. On the southern end the snowfall tapered down to several inches from southeast Nebraska into far southwest Iowa. Meanwhile, the snow ended rather abruptly on the northern end with little or no snow measured along and north of a line from Norfolk Nebraska to Little Sioux Iowa. Heavier totals in western Iowa included around 8 inches in Council Bluffs, 7.3 inches at Underwood and 6.8 inches in Oakland.

MONONA COUNTY --- 0.5 E ONAWA [42.03, -96.09]

| | | | | |
|--------------------|--|--|---|-------------------------|
| 02/26/09 08:47 CST | | | 0 | Hail (0.75 in) |
| 02/26/09 08:47 CST | | | 0 | Source: Law Enforcement |

Hail up to 3/4 inches in diameter was reported on the west side of Onawa.

POTTAWATTAMIE COUNTY --- 1.3 WNW CARSON [41.24, -95.45]

| | | | | |
|--------------------|--|--|---|----------------|
| 02/26/09 10:45 CST | | | 0 | Hail (1.00 in) |
| 02/26/09 10:45 CST | | | 0 | Source: Public |

The hail was very soft and mushy.

A strong low-level jet ahead of an upper level disturbance brought elevated instability to eastern Nebraska during the morning hours of February 26th. Despite surface temperatures in the 30s, the elevated instability helped spawn a few severe thunderstorms over eastern Nebraska and western Iowa.

NEBRASKA, East

(NE-Z042) PLATTE, (NE-Z050) BUTLER, (NE-Z066) LANCASTER, (NE-Z088) JEFFERSON

| | | | | |
|--------------------|--|--|---|-----------------------|
| 02/09/09 13:00 CST | | | 0 | High Wind (MAX 56 kt) |
| 02/09/09 19:30 CST | | | 0 | |

Low pressure tracked from western Nebraska into northern Minnesota from the morning of February 9th through the morning of the 10th. The low brought very strong south winds to eastern Nebraska during the afternoon into the early evening hours of February 9th with sustained winds of 30 to 35 mph and some gusts as high as 65 mph. The prolonged nature of the sustained strong winds caused scattered damage across an area from around Fairbury north to near Columbus.

CUMING COUNTY --- WEST PT [41.83, -96.72], 5.9 SSW KNEIVEL ARPT [41.74, -96.70], 5.5 SE MONTEREY [41.74, -96.75], 1.8 WNW WEST PT [41.84, -96.75]

| | | | | |
|--------------------|--|--|---|-----------------------------------|
| 02/10/09 00:00 CST | | | 0 | Flood (due to Ice Jam) |
| 02/15/09 17:30 CST | | | 0 | Source: Official NWS Observations |

An ice jam downstream of West Point caused flooding along the Elkhorn River near and downstream of West Point. The flooding caused the closure of Highway 275 from the Jct of Highway 91 to the Dodge county line. The flooding caused minimal damage.

DODGE COUNTY --- 1.3 NW CROWELL [41.74, -96.74], 1.3 NE CROWELL [41.74, -96.70], 2.4 E SCRIBNER [41.67, -96.62], 0.1 NNW SCRIBNER [41.67, -96.67]

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| | 02/15/09 17:30 CST | | 0 | Source: Official NWS Observations |

An ice jam downstream of West Point caused flooding along the Elkhorn River near and downstream of West Point . The flooding caused the closure of Highway 275 from the Jct of Highway 91 to the Dodge county line. The flooding also crossed a county road near Scribner and flooded a few farm fields around Crowell. Damage was minimal.

Some snow-melt combined with a little rain and warming temperatures helped create an ice jam on the Elkhorn River which caused flooding around and downstream of West Point.

(NE-Z042) PLATTE, (NE-Z043) COLFAX, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY

| | | |
|--------------------|---|--------------|
| 02/13/09 07:00 CST | 0 | Winter Storm |
| 02/13/09 17:00 CST | 0 | |

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PLATTE COUNTY --- 5.5 SSE CRESTON [41.63, -97.32]

| | | |
|--------------------|---|----------------|
| 02/26/09 05:15 CST | 0 | Hail (0.75 in) |
| 02/26/09 05:15 CST | 0 | Source: Public |

Hail up to penny size was reported.

A strong low-level jet ahead of an upper level disturbance brought elevated instability to eastern Nebraska during the morning hours of February 26th. Despite surface temperatures in the 30s, the elevated instability helped spawn a few severe thunderstorms over eastern Nebraska and western Iowa.

(NE-Z012) CEDAR, (NE-Z017) PIERCE

| | | |
|--------------------|---|------------|
| 02/27/09 11:00 CST | 0 | Heavy Snow |
| 02/28/09 01:15 CST | 0 | |

A compact upper level system that tracked from the northern Rockies across central Nebraska and into eastern Kansas brought a 12 to 18 hour period of snow to eastern Nebraska and southwest Iowa. Although the snow was briefly heavy, water equivalent was generally fairly low and most accumulations over the region were less than 6 inches. However, isolated locations received 6 or more inches, especially across Pierce county where 6 to 9 inches fell over much of the county. Even though north winds occasionally gusted over 20 mph, blowing and drifting snow was not a major issue with this storm.