

## Storm Data and Unusual Weather Phenomena - January 2015

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

### IOWA, Northeast

(IA-Z008) MITCHELL, (IA-Z009) HOWARD, (IA-Z010) WINNESHIEK, (IA-Z018) FLOYD, (IA-Z019) CHICKASAW, (IA-Z029) FAYETTE

|                    |   |          |
|--------------------|---|----------|
| 01/08/15 13:45 CST | 0 | Blizzard |
| 01/09/15 01:35 CST | 0 |          |

Northeast Iowa experienced blizzard conditions from the afternoon of January 8th into the very early morning hours of the 9th. Sustained winds of 25 to 35 mph, with gusts as high as 50 mph, produced widespread whiteout conditions where the visibility was reduced to a quarter mile or less. The winds also caused severe drifting to occur, making many roads impassable and the Iowa Department of Transportation pulled the plows off the roads early in the evening. The whiteout conditions started occurring during the afternoon of the 8th ahead of an area of low pressure and cold front. Light snow fell ahead of the cold front, with 1 to 2 inches of accumulations, and was accompanied by south winds gusting to 25 to 30 mph. Once the cold front passed through, the winds switched to the northwest and increased to produce widespread whiteout conditions from the light snow that had fallen earlier in the day. These conditions then continued well past nightfall before the winds diminished during the early morning hours of the 9th. Most schools across the area dismissed early on the 8th and also had delayed starts on the 9th.

(IA-Z008) MITCHELL, (IA-Z009) HOWARD, (IA-Z010) WINNESHIEK, (IA-Z011) ALLAMAKEE, (IA-Z018) FLOYD, (IA-Z019) CHICKASAW, (IA-Z029) FAYETTE, (IA-Z030) CLAYTON

|                    |   |              |
|--------------------|---|--------------|
| 01/31/15 17:00 CST | 0 | Winter Storm |
| 01/31/15 23:59 CST | 0 |              |

Much of northeast Iowa received heavy snow on the last day of January. The area was set up to for heavy snow after a cold front moved through the region on the 30th. This front was not very far south of the region as an area of low pressure moved along it, throwing moisture from the Gulf of Mexico into the cold air. As a result, heavy snow started falling during the evening of the 31st. This heavy snow continued into February 1st with two day totals of 5 to 9 inches common. The highest reported total was 11 inches in Oelwein (Fayette County). In addition to the snow, the area of low pressure also produced winds of 20 to 40 mph that caused considerable drifting to occur.

### MINNESOTA, Southeast

(MN-Z087) OLMSTED, (MN-Z088) WINONA, (MN-Z094) MOWER, (MN-Z095) FILLMORE

|                    |   |                         |
|--------------------|---|-------------------------|
| 01/07/15 05:05 CST | 0 | Extreme Cold/Wind Chill |
| 01/07/15 11:05 CST | 0 |                         |

Wind chills of 35 below or colder occurred across portions of southeast Minnesota on the morning of January 7th. The dangerous wind chills occurred behind an area of low pressure that moved across the central Mississippi River Valley on January 6th and as a strong area of high pressure dropped south out of Canada onto the High Plains. These two features combined to push air temperatures down into the single digits and teens below zero with strong northwest winds. The lowest recorded wind chill was 42 below from a mesonet reporting station near Grand Meadow (Mower County).

(MN-Z086) DODGE, (MN-Z087) OLMSTED, (MN-Z094) MOWER, (MN-Z095) FILLMORE

|                    |   |          |
|--------------------|---|----------|
| 01/08/15 13:45 CST | 0 | Blizzard |
| 01/09/15 00:10 CST | 0 |          |

Southeast Minnesota experienced blizzard conditions from the afternoon of January 8th into the very early morning hours of the 9th. Sustained winds of 25 to 35 mph, with gusts as high as 50 mph, produced widespread whiteout conditions where the visibility was reduced to a quarter mile or less. The winds also caused severe drifting, making many roads impassable. The Minnesota Department of Transportation started recommending that travel was not advised in the area from the middle of the afternoon on the 8th into the overnight hours. The conditions were so bad in Mower County, that the sheriff issued an order that the only travel should be for emergency purposes. The whiteout conditions started occurring during the afternoon of the 8th ahead of an area of low pressure and cold front. Light snow fell ahead of the cold front, with 1 to 2 inches of accumulations, and was accompanied by south winds gusting to 25 to 30 mph. Once the cold front passed through, the winds switched to the northwest and increased to produce widespread whiteout conditions from the light snow that had fallen earlier in the day. These conditions then continued well past nightfall before the winds diminished during the early morning hours of the 9th. Most schools across the area dismissed early on the 8th and also had delayed starts on the 9th.

### WISCONSIN, Southwest

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| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details  |
|---|--------------------|----------------------|------------------------|-------------------------|
| <b>(WI-Z017) TAYLOR, (WI-Z029) CLARK, (WI-Z034) JACKSON</b> |                    |                      |                        |                         |
|   | 01/05/15 00:55 CST |                      | 0                      | Extreme Cold/Wind Chill |
|   | 01/05/15 09:35 CST |                      | 0                      |                         |

Wind chills of 35 below or colder occurred across central Wisconsin on the morning of January 5th. These dangerous wind chills occurred as air temperatures plummeted into the teens and 20s below zero with northwest winds of 5 to 10 mph behind a cold front. The lowest recorded wind chill was 38 below from the automated weather observing equipment at the Black River Falls (Jackson County) airport.

|  |                    |  |   |                         |
|--|--------------------|--|---|-------------------------|
| <b>(WI-Z017) TAYLOR, (WI-Z029) CLARK</b> |                    |  |   |                         |
|  | 01/07/15 07:15 CST |  | 0 | Extreme Cold/Wind Chill |
|  | 01/07/15 10:55 CST |  | 0 |                         |

Wind chills of 35 below or colder occurred across portions of central Wisconsin on the morning of January 7th. The dangerous wind chills occurred behind an area of low pressure that moved across the central Mississippi River Valley on January 6th and as a strong area of high pressure dropped south out of Canada onto the High Plains. These two features combined to push air temperatures down into the single digits and teens below zero with strong northwest winds. The lowest recorded wind chill was 38 below from the automated weather observing equipment at the Medford (Taylor County) airport.

|  |                    |  |   |              |
|--|--------------------|--|---|--------------|
| <b>(WI-Z054) CRAWFORD, (WI-Z061) GRANT</b> |                    |  |   |              |
|  | 01/31/15 17:30 CST |  | 0 | Winter Storm |
|  | 01/31/15 23:59 CST |  | 0 |              |

Parts of southwest Wisconsin received heavy snow on the last day of January. The area was set up to for heavy snow after a cold front moved through the region on the 30th. This front was not very far south of the region as an area of low pressure moved along it, throwing moisture from the Gulf of Mexico into the cold air. As a result, heavy snow started falling during the evening of the 31st. This heavy snow continued into February 1st with two day totals of 6 to 10 inches common. The highest reported total was 10.5 inches near Eastman (Crawford County). In addition to the snow, the area of low pressure also produced winds of 20 to 40 mph that caused considerable drifting to occur.