

## Storm Data and Unusual Weather Phenomena - July 2008

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details          |
|--|--------------------|-------------------|---------------------|---------------------------------|
| <b>IOWA, Northeast</b>   |                    |                   |                     |                                 |
| <b>ALLAMAKEE COUNTY --- 0.7 NNE ROSSVILLE [43.19, -91.38]</b>  |                    |                   |                     |                                 |
|  | 07/02/08 13:22 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/02/08 13:22 CST |                   | 0                   | Source: Public                  |
| <b>CLAYTON COUNTY --- 1.5 N ELKADER [42.87, -91.40]</b>  |                    |                   |                     |                                 |
|  | 07/02/08 14:34 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)    |
|  | 07/02/08 14:34 CST |                   | 0                   | Source: Trained Spotter         |
| Trained spotter reported 12 inch limbs down and hail one half inch in diameter.  |                    |                   |                     |                                 |
| <b>CLAYTON COUNTY --- 4.1 W GRAHAM [42.67, -91.20]</b>   |                    |                   |                     |                                 |
|  | 07/02/08 15:15 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)    |
|  | 07/02/08 15:15 CST |                   | 0                   | Source: Public                  |
| Public estimated 60 mph wind gust and 4 inch diameter limbs broken off.  |                    |                   |                     |                                 |
| <b>A cold front moved into northeast Iowa on the afternoon of July 2. Isolated severe thunderstorms developed ahead of the front, producing wind gusts of up to 60 mph, which knocked down tree limbs. Hail up to one inch in diameter was also reported.</b>  |                    |                   |                     |                                 |
| <b>MITCHELL COUNTY --- 0.9 N OSAGE [43.29, -92.82], 0.2 SSW OSAGE [43.28, -92.82], 0.1 S OSAGE MUNI ARPT [43.28, -92.80], 0.9 N OSAGE MUNI ARPT [43.29, -92.80]</b>  |                    |                   |                     |                                 |
|  | 07/07/08 14:15 CST |                   | 0                   | Flash Flood (due to Heavy Rain) |
|  | 07/07/08 15:00 CST |                   | 0                   | Source: Law Enforcement         |
| Street flooding was reported in Osage with measured rainfall of 2.50 inches.   |                    |                   |                     |                                 |
| <b>A cold front moved across northeast Iowa during the late afternoon and evening hours on July 7th. A line of thunderstorms developed along the cold front and produced heavy rain, which caused flooding on streets and roadways.</b>  |                    |                   |                     |                                 |
| <b>CLAYTON COUNTY --- 2.1 SE EDGEWOOD [42.65, -91.40]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 17:58 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/10/08 17:58 CST |                   | 0                   | Source: Law Enforcement         |
| <b>CLAYTON COUNTY --- 2.7 NW GRAHAM [42.70, -91.16]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 19:40 CST |                   | 0                   | Hail (1.75 in)                  |
|  | 07/10/08 19:40 CST |                   | 0                   | Source: Fire Department/Rescue  |
| <b>A front remained nearly stationary, extending from southern Wisconsin into central Minnesota during the evening hours of July 10. Severe thunderstorms developed along the front and tracked across parts of northeast Iowa. Hail up to golf ball size was reported in Clayton county.</b>              |                    |                   |                     |                                 |
| <b>HOWARD COUNTY --- 0.5 SE PROTIVIN [43.21, -92.09]</b>   |                    |                   |                     |                                 |
|  | 07/11/08 23:32 CST |                   | 30K                 | Thunderstorm Wind (EG 56 kt)    |
|  | 07/11/08 23:32 CST |                   | 0                   | Source: Newspaper               |
| A business building was destroyed by a storm in the Protivin area. A gustnado likely caused the damage, but local officials suspected a tornado may have struck in a 100-foot area and destroyed the building.   |                    |                   |                     |                                 |
| <b>WINNESHIEK COUNTY --- 0.5 NE DECORAH [43.31, -91.79]</b>  |                    |                   |                     |                                 |
|  | 07/11/08 23:43 CST |                   | 0                   | Hail (0.88 in)                  |
|  | 07/11/08 23:43 CST |                   | 0                   | Source: Law Enforcement         |
| <b>A cold front over central Minnesota moved across northeast Iowa during the late evening hours of July 11. A line of thunderstorms developed along the front, some of which produced isolated large hail up to nickel size in Winneshiek county and strong winds in extreme southeast Howard county.</b> |                    |                   |                     |                                 |
| <b>CLAYTON COUNTY --- 0.4 NNE GUTTENBURG [42.79, -91.10]</b>   |                    |                   |                     |                                 |
|  | 07/31/08 09:45 CST |                   | 3.50K               | Thunderstorm Wind (EG 61 kt)    |
|  | 07/31/08 09:45 CST |                   | 0                   | Source: Newspaper               |

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| Location   | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|-----------|-------------------|---------------------|------------------------|
| Several trees and branches were downed in the city of Guttenberg. One large, old maple tree snapped power lines and a couple of tree branches fell on a parked van. Wind gusts from severe thunderstorms were estimated at 60 to 70 mph. |           |                   |                     |                        |

**A low pressure area affected northeast Iowa during the late morning hours of July 31. Severe thunderstorms developed ahead of the system, knocking down several trees and snapping power lines.**

### MINNESOTA, Southeast

#### MOWER COUNTY --- 1.6 ENE LYLE [43.51, -92.94]

|                    |                    |    |   |   |
|--------------------|--------------------|----|---|---|
| 07/07/08 13:08 CST | 07/07/08 13:08 CST | 3K | 0 | Thunderstorm Wind (EG 56 kt)<br>Source: Law Enforcement |
|--------------------|--------------------|----|---|---|

Trees, branches, and power lines were blown down.

#### MOWER COUNTY --- 0.9 NE GRAND MEADOW [43.71, -92.57]

|                    |                    |    |   |   |
|--------------------|--------------------|----|---|---|
| 07/07/08 13:37 CST | 07/07/08 13:37 CST | 3K | 0 | Thunderstorm Wind (EG 56 kt)<br>Source: Amateur Radio |
|--------------------|--------------------|----|---|---|

Several trees were blown down.

#### FILLMORE COUNTY --- 1.2 NNE SPRING VLY [43.70, -92.39]

|                    |                    |    |   |   |
|--------------------|--------------------|----|---|---|
| 07/07/08 13:48 CST | 07/07/08 13:48 CST | 5K | 0 | Thunderstorm Wind (EG 56 kt)<br>Source: Law Enforcement |
|--------------------|--------------------|----|---|---|

The Spring Valley Emergency Operations Center reported power lines and trees down in the town of Spring Valley.

#### FILLMORE COUNTY --- 4.1 NW PILOT MOUND [43.87, -92.08]

|                    |                    |    |   |   |
|--------------------|--------------------|----|---|---|
| 07/07/08 14:00 CST | 07/07/08 14:00 CST | 6K | 0 | Thunderstorm Wind (EG 56 kt)<br>Source: Emergency Manager |
|--------------------|--------------------|----|---|---|

Emergency Manager reports trees down in Chatfield and power was out in the city of Chatfield.

#### WINONA COUNTY --- 1.1 SE UTICA [43.96, -91.95]

|                    |                    |     |   |   |
|--------------------|--------------------|-----|---|---|
| 07/07/08 14:21 CST | 07/07/08 14:21 CST | 50K | 0 | Thunderstorm Wind (EG 61 kt)<br>Source: Newspaper |
|--------------------|--------------------|-----|---|---|

Thunderstorm wind gusts produced damage to a farm near Utica. Thunderstorm wind gusts also knocked down several elm trees, a 50 foot steel windmill, and blew a metal roof off of a tractor shed.

#### WINONA COUNTY --- 0.2 NNE TROY [43.87, -92.07]

|                    |                    |     |   |   |
|--------------------|--------------------|-----|---|---|
| 07/07/08 14:25 CST | 07/07/08 14:25 CST | 15K | 0 | Thunderstorm Wind (EG 61 kt)<br>Source: Emergency Manager |
|--------------------|--------------------|-----|---|---|

Three foot diameter trees were knocked down and corn was flattened near the town of Troy.

#### WINONA COUNTY --- 2.9 W FREMONT [43.92, -91.96]

|                    |                    |    |   |   |
|--------------------|--------------------|----|---|---|
| 07/07/08 14:25 CST | 07/07/08 14:25 CST | 5K | 0 | Thunderstorm Wind (EG 61 kt)<br>Source: Law Enforcement |
|--------------------|--------------------|----|---|---|

Law enforcement reported multiple trees down blocking the road at the intersection of Highway 33 and Henry Drive.

#### WABASHA COUNTY --- 0.7 WNW READS LNDG [44.40, -92.09]

|                    |                    |   |   |   |
|--------------------|--------------------|---|---|---|
| 07/07/08 21:56 CST | 07/07/08 21:56 CST | 0 | 0 | Thunderstorm Wind (EG 50 kt)<br>Source: Trained Spotter |
|--------------------|--------------------|---|---|---|

#### WABASHA COUNTY --- 2.2 SSW WABASHA [44.35, -92.05]

|                    |                    |    |   |   |
|--------------------|--------------------|----|---|---|
| 07/07/08 22:05 CST | 07/07/08 22:05 CST | 1K | 0 | Thunderstorm Wind (EG 56 kt)<br>Source: Law Enforcement |
|--------------------|--------------------|----|---|---|

A tree was blown down onto U.S. Highway 60 near mile marker 214.

## Storm Data and Unusual Weather Phenomena - July 2008

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details         |
|--|--------------------|-------------------|---------------------|--------------------------------|
| <b>A cold front moved across southeast Minnesota during the late afternoon hours on July 7th. A line of severe thunderstorms accompanied the front, producing hail up to one inch in diameter and knocking down trees and power lines.</b> |                    |                   |                     |                                |
| <b>WABASHA COUNTY --- 0.5 ENE BELLECHESTER [44.37, -92.51]</b>   |                    |                   |                     |                                |
|  | 07/10/08 12:57 CST |                   | 2K                  | Thunderstorm Wind (EG 56 kt)   |
|  | 07/10/08 12:57 CST |                   | 1K                  | Source: Law Enforcement        |
| Trees were blown down.   |                    |                   |                     |                                |
| <b>WABASHA COUNTY --- 0.5 W LAKE CITY [44.45, -92.28]</b>  |                    |                   |                     |                                |
|  | 07/10/08 13:03 CST |                   | 0                   | Hail (0.75 in)                 |
|  | 07/10/08 13:03 CST |                   | 0                   | Source: Trained Spotter        |
| <b>WABASHA COUNTY --- 0.5 W LAKE CITY [44.45, -92.28]</b>  |                    |                   |                     |                                |
|  | 07/10/08 13:06 CST |                   | 0                   | Hail (1.00 in)                 |
|  | 07/10/08 13:06 CST |                   | 0                   | Source: Trained Spotter        |
| A trained spotter estimated 1 inch diameter hail and 30 mph wind gusts.  |                    |                   |                     |                                |
| <b>WABASHA COUNTY --- 0.4 ENE ZUMBRO FALLS [44.28, -92.42]</b>   |                    |                   |                     |                                |
|  | 07/10/08 13:08 CST |                   | 0                   | Hail (0.75 in)                 |
|  | 07/10/08 13:08 CST |                   | 0                   | Source: Law Enforcement        |
| <b>WABASHA COUNTY --- 0.1 S LAKE CITY [44.45, -92.27]</b>  |                    |                   |                     |                                |
|  | 07/10/08 13:10 CST |                   | 68K                 | Hail (2.25 in)                 |
|  | 07/10/08 13:10 CST |                   | 12K                 | Source: COOP Observer          |
| Hail of 2.25 inches in diameter was observed.  |                    |                   |                     |                                |
| <b>WABASHA COUNTY --- 2.8 SE LAKE CITY [44.42, -92.23]</b>   |                    |                   |                     |                                |
|  | 07/10/08 13:19 CST |                   | 0                   | Hail (0.75 in)                 |
|  | 07/10/08 13:19 CST |                   | 0                   | Source: Public                 |
| <b>OLMSTED COUNTY --- 2.1 E ORONOCO [44.17, -92.49]</b>  |                    |                   |                     |                                |
|  | 07/10/08 13:25 CST |                   | 0                   | Hail (0.75 in)                 |
|  | 07/10/08 13:25 CST |                   | 0                   | Source: Amateur Radio          |
| <b>WABASHA COUNTY --- 0.7 S KELLOGG [44.31, -92.00]</b>  |                    |                   |                     |                                |
|  | 07/10/08 13:26 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)   |
|  | 07/10/08 13:26 CST |                   | 0                   | Source: Law Enforcement        |
| Law Enforcement reported an estimated wind gust of 60 miles per hour and hail up to dime size.   |                    |                   |                     |                                |
| <b>OLMSTED COUNTY --- 1.0 ESE POTSDAM [44.17, -92.33]</b>  |                    |                   |                     |                                |
|  | 07/10/08 13:34 CST |                   | 0                   | Thunderstorm Wind (EG 51 kt)   |
|  | 07/10/08 13:34 CST |                   | 0                   | Source: Emergency Manager      |
| <b>OLMSTED COUNTY --- BYRON [44.03, -92.65]</b>  |                    |                   |                     |                                |
|  | 07/10/08 13:45 CST |                   | 0                   | Hail (1.00 in)                 |
|  | 07/10/08 13:45 CST |                   | 0                   | Source: Fire Department/Rescue |
| Quarter size hail was reported along with wind gusts of 30 to 35 miles per hour.   |                    |                   |                     |                                |
| <b>WINONA COUNTY --- 0.6 W WINONA [44.05, -91.66]</b>  |                    |                   |                     |                                |
|  | 07/10/08 13:45 CST |                   | 8K                  | Thunderstorm Wind (EG 52 kt)   |
|  | 07/10/08 13:45 CST |                   | 0                   | Source: Newspaper              |
| Thunderstorm wind gusts blew a tree down on top of a garage in Winona, destroying the garage.  |                    |                   |                     |                                |
| <b>WINONA COUNTY --- 0.7 W WINONA [44.05, -91.66]</b>  |                    |                   |                     |                                |

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| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|---|--------------------|-------------------|---------------------|------------------------------|
|   | 07/10/08 13:46 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|   | 07/10/08 13:46 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| <b>OLMSTED COUNTY --- 3.3 ENE ROCHESTER [44.05, -92.41]</b>   |                    |                   |                     |                              |
|   | 07/10/08 13:47 CST |                   | 0                   | Hail (0.75 in)               |
|   | 07/10/08 13:47 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| <b>OLMSTED COUNTY --- 0.5 NNW CHATFIELD JCT [44.01, -92.25]</b>   |                    |                   |                     |                              |
|   | 07/10/08 13:48 CST |                   | 0                   | Hail (0.75 in)               |
|   | 07/10/08 13:48 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| <b>WINONA COUNTY --- 0.5 W WINONA [44.05, -91.66]</b>   |                    |                   |                     |                              |
|   | 07/10/08 13:48 CST |                   | 0                   | Thunderstorm Wind (EG 56 kt) |
|   | 07/10/08 13:48 CST |                   | 2K                  | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| Trees were blown down in the city of Winona.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>WINONA COUNTY --- 0.5 E WINONA [44.05, -91.64]</b>   |                    |                   |                     |                              |
|   | 07/10/08 13:49 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|   | 07/10/08 13:49 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| <b>WINONA COUNTY --- 0.5 W WINONA [44.05, -91.66]</b>   |                    |                   |                     |                              |
|   | 07/10/08 13:50 CST |                   | 0                   | Hail (0.88 in)               |
|   | 07/10/08 13:50 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>   |                    |                   |                     |                              |
| Nickel sized hail was reported in addition to a measured wind gust of 53 miles per hour at the Emergency Operations Center.   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>OLMSTED COUNTY --- 3.4 SSE ROCHESTER [43.99, -92.44]</b>   |                    |                   |                     |                              |
|   | 07/10/08 14:09 CST |                   | 0                   | Hail (0.75 in)               |
|   | 07/10/08 14:09 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| <b>HOUSTON COUNTY --- 0.6 E RIVER JCT [43.83, -91.31]</b>   |                    |                   |                     |                              |
|   | 07/10/08 14:18 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|   | 07/10/08 14:18 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| Large trees were blown down.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>OLMSTED COUNTY --- 0.7 NNW STEWARTVILLE [43.86, -92.49]</b>  |                    |                   |                     |                              |
|   | 07/10/08 14:20 CST |                   | 0                   | Hail (1.00 in)               |
|   | 07/10/08 14:20 CST |                   | 0                   | Source: Public               |
| <hr/>   |                    |                   |                     |                              |
| <b>A front remained nearly stationary from southwest Wisconsin into western Minnesota on July 10th. An upper level disturbance tracked along the front, triggering a line of severe thunderstorms over southeast Minnesota. Hail up to 2 inches in diameter and downed trees were reported by storm spotters and law enforcement officials.</b> |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>FILLMORE COUNTY --- 0.9 E WHALAN [43.73, -91.91]</b>   |                    |                   |                     |                              |
|   | 07/11/08 22:23 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|   | 07/11/08 22:23 CST |                   | 0                   | Source: Trained Spotter      |
| <hr/>   |                    |                   |                     |                              |
| <b>FILLMORE COUNTY --- 0.4 NNE RUSHFORD MUNI ARPT [43.82, -91.83]</b>   |                    |                   |                     |                              |
|   | 07/11/08 22:45 CST |                   | 1K                  | Thunderstorm Wind (EG 55 kt) |
|   | 07/11/08 22:45 CST |                   | 0                   | Source: Trained Spotter      |
| <hr/>   |                    |                   |                     |                              |
| Trees were blown and blocked parts of Highway 30.   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>A cold front over central Minnesota moved across southeast Minnesota during the late evening hours of July 11. A line of thunderstorms developed along the front and moved across the region. The line of thunderstorms produced isolated severe wind gusts of up to 60 miles per hour and knocked down trees in Fillmore County.</b>        |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>FILLMORE COUNTY --- 3.2 NE HAMILTON [43.81, -92.41]</b>  |                    |                   |                     |                              |

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|--|--------------------|-------------------|---------------------|---------------------------------|
|  | 07/15/08 19:33 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/15/08 19:33 CST |                   | 0                   | Source: Public                  |
| <hr/>  |                    |                   |                     |                                 |
| <b>OLMSTED COUNTY --- 0.6 ENE DOVER [43.97, -92.14]</b>  |                    |                   |                     |                                 |
|  | 07/15/08 20:25 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/15/08 20:25 CST |                   | 0                   | Source: Public                  |
| <hr/>  |                    |                   |                     |                                 |
| <b>OLMSTED COUNTY --- 0.6 ENE DOVER [43.97, -92.14]</b>  |                    |                   |                     |                                 |
|  | 07/15/08 20:31 CST |                   | 0                   | Hail (0.88 in)                  |
|  | 07/15/08 20:31 CST |                   | 0                   | Source: Public                  |
| <hr/>  |                    |                   |                     |                                 |
| <p><b>A stationary front extended from central Minnesota into central Wisconsin on July 15. Isolated severe thunderstorms developed over parts of southeast Minnesota during the evening hours. The severe thunderstorms produced hail up to quarter size in northwest Fillmore and southwest Winona counties.</b></p>   |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>WINONA COUNTY --- 2.5 SE DRESBACH [43.85, -91.30], 4.2 SSE NODINE [43.85, -91.40], 1.7 ESE NODINE [43.89, -91.42], 1.3 NW DRESBACH [43.90, -91.35]</b>  |                    |                   |                     |                                 |
|  | 07/16/08 17:38 CST |                   | 10K                 | Flash Flood (due to Heavy Rain) |
|  | 07/16/08 19:00 CST |                   | 0                   | Source: Law Enforcement         |
| <p>Law Enforcement reports mudslides along Interstate 90 near Dresbach and flash flooding reported around the area.</p>  |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>HOUSTON COUNTY --- 4.2 N MOUND PRAIRIE [43.84, -91.44], 4.3 WNW RIVER JCT [43.85, -91.40], 1.4 NE RIVER JCT [43.85, -91.30], 1.1 SSE LA CRESCENT [43.81, -91.27]</b>  |                    |                   |                     |                                 |
|  | 07/16/08 17:49 CST |                   | 5K                  | Flash Flood (due to Heavy Rain) |
|  | 07/16/08 19:45 CST |                   | 0                   | Source: Law Enforcement         |
| <p>Consecutive thunderstorms hit extreme northeast parts of Houston County causing flash flooding and quick rises on Pine Creek. Flash flooding was also reported in La Crescent.</p>  |                    |                   |                     |                                 |
| <p><b>A stationary front extended from central Minnesota into central Wisconsin on July 16. Thunderstorms developed and remained nearly stationary over extreme southeast Minnesota during the evening hours. This produced very heavy rainfall of up to four inches in La Crescent. Flooding and mudslides were reported in parts of Houston and Winona counties.</b></p> |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>DODGE COUNTY --- 0.0 E WEST CONCORD [44.15, -92.90]</b>   |                    |                   |                     |                                 |
|  | 07/31/08 07:52 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)    |
|  | 07/31/08 07:52 CST |                   | 0                   | Source: Trained Spotter         |
| <hr/>  |                    |                   |                     |                                 |
| <b>DODGE COUNTY --- 0.0 NE DODGE CENTER ARPT [44.02, -92.83]</b>   |                    |                   |                     |                                 |
|  | 07/31/08 07:55 CST |                   | 0                   | Thunderstorm Wind (MG 55 kt)    |
|  | 07/31/08 07:55 CST |                   | 0                   | Source: AWOS                    |
| <hr/>  |                    |                   |                     |                                 |
| <b>FILLMORE COUNTY --- SPRING VLY [43.68, -92.40]</b>  |                    |                   |                     |                                 |
|  | 07/31/08 08:25 CST |                   | 0                   | Thunderstorm Wind (EG 50 kt)    |
|  | 07/31/08 08:25 CST |                   | 0                   | Source: Amateur Radio           |
| <p>A 30 foot tree was blown down in Spring Valley.</p>   |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>OLMSTED COUNTY --- 1.1 WNW JUDGE [43.90, -92.49]</b>  |                    |                   |                     |                                 |
|  | 07/31/08 08:40 CST |                   | 0                   | Thunderstorm Wind (MG 53 kt)    |
|  | 07/31/08 08:40 CST |                   | 0                   | Source: ASOS                    |
| <p>A low pressure area moved into southeast Minnesota during the morning hours of July 31st. Severe thunderstorms developed ahead of this system producing wind gusts up to 63 mph.</p>  |                    |                   |                     |                                 |

### WISCONSIN, Southwest

**GRANT COUNTY --- 0.8 NE FENNIMORE [42.99, -90.64]**

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| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|---|--------------------|-------------------|---------------------|------------------------------|
|   | 07/02/08 08:25 CST |                   | 0                   | Hail (0.75 in)               |
|   | 07/02/08 08:25 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| <b>GRANT COUNTY --- 2.1 WSW CENTERVILLE [42.99, -90.47]</b>   |                    |                   |                     |                              |
|   | 07/02/08 08:36 CST |                   | 0                   | Hail (1.00 in)               |
|   | 07/02/08 08:36 CST |                   | 0                   | Source: Public               |
| <hr/>   |                    |                   |                     |                              |
| <b>CRAWFORD COUNTY --- 0.5 WNW BELL CENTER [43.28, -90.83]</b>  |                    |                   |                     |                              |
|   | 07/02/08 14:45 CST |                   | 0                   | Hail (0.75 in)               |
|   | 07/02/08 14:45 CST |                   | 0                   | Source: Public               |
| <hr/>   |                    |                   |                     |                              |
| <b>A cold front moved into southwest Wisconsin on July 2. Isolated severe thunderstorms developed ahead of the front in the morning and again in the afternoon, producing hail up to one inch in diameter.</b>              |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>CLARK COUNTY --- 0.7 NNE LOYAL [44.74, -90.50]</b>   |                    |                   |                     |                              |
|   | 07/06/08 11:20 CST |                   | 0                   | Hail (0.88 in)               |
|   | 07/06/08 11:20 CST |                   | 0                   | Source: Law Enforcement      |
| <hr/>   |                    |                   |                     |                              |
| <b>CLARK COUNTY --- 3.2 NNE VEEFKIND [44.74, -90.36]</b>  |                    |                   |                     |                              |
|   | 07/06/08 11:30 CST |                   | 0                   | Hail (0.75 in)               |
|   | 07/06/08 11:30 CST |                   | 0                   | Source: Public               |
| <hr/>   |                    |                   |                     |                              |
| <b>A cold front moved into central Wisconsin during the early afternoon hours of July 6th. Isolated severe thunderstorms developed along the front and produced hail up to the size of nickels in central Clark County.</b> |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>LA CROSSE COUNTY --- 0.3 SSW LA CROSSE [43.80, -91.25]</b>   |                    |                   |                     |                              |
|   | 07/07/08 15:03 CST |                   | 1.50K               | Thunderstorm Wind (EG 56 kt) |
|   | 07/07/08 15:03 CST |                   | 0                   | Source: Law Enforcement      |
| <hr/>   |                    |                   |                     |                              |
| Law Enforcement reports damage to Municipal Harbor on south side of La Crosse.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>LA CROSSE COUNTY --- 3.0 NNW HERRINGTON [43.82, -91.19]</b>  |                    |                   |                     |                              |
|   | 07/07/08 15:08 CST |                   | 0                   | Thunderstorm Wind (MG 59 kt) |
|   | 07/07/08 15:08 CST |                   | 0                   | Source: Mesonet              |
| <hr/>   |                    |                   |                     |                              |
| A wind gust of 59 knots was recorded at the National Weather Service Office.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>LA CROSSE COUNTY --- 3.0 NNW HERRINGTON [43.82, -91.19]</b>  |                    |                   |                     |                              |
|   | 07/07/08 15:09 CST |                   | 2K                  | Thunderstorm Wind (MG 59 kt) |
|   | 07/07/08 15:09 CST |                   | 0                   | Source: NWS Storm Survey     |
| <hr/>   |                    |                   |                     |                              |
| Trees near the National Weather Service Office east of La Crosse were knocked over.   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>LA CROSSE COUNTY --- 1.3 E LA CROSSE [43.80, -91.23]</b>   |                    |                   |                     |                              |
|   | 07/07/08 15:10 CST |                   | 1K                  | Thunderstorm Wind (EG 52 kt) |
|   | 07/07/08 15:10 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| An amateur radio operator reported large trees down on Park Avenue in the city of La Crosse.  |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>LA CROSSE COUNTY --- 0.8 WSW WEST SALEM [43.90, -91.10]</b>  |                    |                   |                     |                              |
|   | 07/07/08 15:20 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|   | 07/07/08 15:20 CST |                   | 0                   | Source: NWS Employee         |
| <hr/>   |                    |                   |                     |                              |
| A National Weather Service employee estimated a wind gust of 52 knots and measured 1.20 inches of rain.   |                    |                   |                     |                              |
| <hr/>   |                    |                   |                     |                              |
| <b>MONROE COUNTY --- 3.9 S TUNNEL CITY [43.94, -90.58]</b>  |                    |                   |                     |                              |
|   | 07/07/08 16:12 CST |                   | 1K                  | Thunderstorm Wind (EG 52 kt) |
|   | 07/07/08 16:12 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>   |                    |                   |                     |                              |
| Amateur radio reports one tree down in the town of Tomah.   |                    |                   |                     |                              |

## Storm Data and Unusual Weather Phenomena - July 2008

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details          |
|--|--------------------|-------------------|---------------------|---------------------------------|
| <b>GRANT COUNTY --- 0.7 N BOSCOBEL [43.14, -90.70]</b>   |                    |                   |                     |                                 |
|  | 07/07/08 18:06 CST |                   | 0                   | Hail (0.75 in)                  |
|  | 07/07/08 18:06 CST |                   | 0                   | Source: Trained Spotter         |
| <b>GRANT COUNTY --- 0.5 E LANCASTER [42.85, -90.71]</b>  |                    |                   |                     |                                 |
|  | 07/07/08 18:36 CST |                   | 2K                  | Thunderstorm Wind (EG 56 kt)    |
|  | 07/07/08 18:36 CST |                   | 0                   | Source: Amateur Radio           |
| Amateur radio reported power lines down in the town of Lancaster.  |                    |                   |                     |                                 |
| <b>A cold front moved across southwest and central Wisconsin during the late afternoon and evening hours on July 7th. A line of severe thunderstorms developed along the front, producing wind gusts up to 68 mph, which knocked down trees and power lines.</b> |                    |                   |                     |                                 |
| <b>LA CROSSE COUNTY --- 1.3 NE CALVERT [43.76, -91.20], 0.8 WSW LA CROSSE [43.80, -91.26], 0.6 NNW (LSE)LA CROSSE MUNI [43.89, -91.25], 1.6 NNE ONALASKA [43.90, -91.21]</b>   |                    |                   |                     |                                 |
|  | 07/07/08 15:20 CST |                   | 3K                  | Flash Flood (due to Heavy Rain) |
|  | 07/07/08 16:15 CST |                   | 0                   | Source: Amateur Radio           |
| Amateur radio operators reported widespread street flooding in the cities of La Crosse and Onalaska.   |                    |                   |                     |                                 |
| <b>GRANT COUNTY --- 2.2 NE LANCASTER JCT [43.00, -90.59], 2.4 NNE LANCASTER JCT [43.00, -90.60], 3.5 SW CASTLE ROCK [43.02, -90.58], 2.7 SW CASTLE ROCK [43.02, -90.57], 2.8 NNW PRESTON [43.00, -90.58]</b>   |                    |                   |                     |                                 |
|  | 07/07/08 18:40 CST |                   | 2K                  | Flood (due to Heavy Rain)       |
|  | 07/07/08 19:20 CST |                   | 0                   | Source: Emergency Manager       |
| Water was over parts of County Road Q.   |                    |                   |                     |                                 |
| <b>A cold front moved across southwest Wisconsin during the late afternoon and evening hours on July 7th. A line of thunderstorms developed along the cold front and produced heavy rain, which caused flooding on streets and roadways.</b>                     |                    |                   |                     |                                 |
| <b>BUFFALO COUNTY --- 0.5 E MONDOVI [44.57, -91.67]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 13:41 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)    |
|  | 07/10/08 13:41 CST |                   | 0                   | Source: Law Enforcement         |
| <b>BUFFALO COUNTY --- 0.9 NNE BUFFALO CITY [44.24, -91.85]</b>   |                    |                   |                     |                                 |
|  | 07/10/08 13:47 CST |                   | 0                   | Thunderstorm Wind (MG 52 kt)    |
|  | 07/10/08 13:47 CST |                   | 0                   | Source: Trained Spotter         |
| <b>BUFFALO COUNTY --- 3.3 WNW MONDOVI [44.59, -91.74]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 13:53 CST |                   | 1K                  | Thunderstorm Wind (EG 54 kt)    |
|  | 07/10/08 13:53 CST |                   | 0                   | Source: Law Enforcement         |
| Law Enforcement reported trees down near the Buffalo and Pepin County line.  |                    |                   |                     |                                 |
| <b>BUFFALO COUNTY --- 3.7 ENE FOUNTAIN CITY [44.15, -91.65]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 13:53 CST |                   | 0                   | Hail (0.75 in)                  |
|  | 07/10/08 13:53 CST |                   | 0                   | Source: Trained Spotter         |
| <b>TREMPEALEAU COUNTY --- 1.9 NW TREMPEALEAU [44.02, -91.46]</b>   |                    |                   |                     |                                 |
|  | 07/10/08 14:04 CST |                   | 1.50K               | Thunderstorm Wind (EG 52 kt)    |
|  | 07/10/08 14:04 CST |                   | 0                   | Source: Law Enforcement         |
| Law Enforcement estimated 60 mph wind gusts at Perrot State Park and large limbs down.   |                    |                   |                     |                                 |
| <b>TREMPEALEAU COUNTY --- 1.0 WNW ARCADIA [44.25, -91.52]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 14:07 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt)    |
|  | 07/10/08 14:07 CST |                   | 0                   | Source: Law Enforcement         |
| <b>TREMPEALEAU COUNTY --- 0.7 N INDEPENDENCE [44.36, -91.42]</b>   |                    |                   |                     |                                 |

## Storm Data and Unusual Weather Phenomena - July 2008

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|--|--------------------|-------------------|---------------------|------------------------------|
|  | 07/10/08 14:12 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|  | 07/10/08 14:12 CST |                   | 0                   | Source: Law Enforcement      |
| <hr/>  |                    |                   |                     |                              |
| <b>LA CROSSE COUNTY --- 0.2 WSW (LSE)LA CROSSE MUNI [43.88, -91.25]</b>                              |                    |                   |                     |                              |
|  | 07/10/08 14:17 CST |                   | 0                   | Thunderstorm Wind (MG 50 kt) |
|  | 07/10/08 14:17 CST |                   | 0                   | Source: ASOS                 |
| <hr/>  |                    |                   |                     |                              |
| <b>LA CROSSE COUNTY --- 0.8 SSW HOLMEN [43.96, -91.26]</b>   |                    |                   |                     |                              |
|  | 07/10/08 14:19 CST |                   | 0                   | Hail (0.88 in)               |
|  | 07/10/08 14:19 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>  |                    |                   |                     |                              |
| <b>LA CROSSE COUNTY --- 0.3 SSE ONALASKA [43.88, -91.23]</b>   |                    |                   |                     |                              |
|  | 07/10/08 14:20 CST |                   | 0                   | Hail (0.75 in)               |
|  | 07/10/08 14:20 CST |                   | 0                   | Source: Public               |
| <hr/>  |                    |                   |                     |                              |
| Hail was reported at the Onalaska High School.   |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>TREMPEALEAU COUNTY --- 2.1 NNE GALESVILLE [44.11, -91.34]</b>                                     |                    |                   |                     |                              |
|  | 07/10/08 14:20 CST |                   | 0                   | Thunderstorm Wind (EG 54 kt) |
|  | 07/10/08 14:20 CST |                   | 0                   | Source: Amateur Radio        |
| <hr/>  |                    |                   |                     |                              |
| <b>VERNON COUNTY --- 4.3 NE STODDARD [43.72, -91.17]</b>   |                    |                   |                     |                              |
|  | 07/10/08 14:27 CST |                   | 0.50K               | Thunderstorm Wind (EG 52 kt) |
|  | 07/10/08 14:27 CST |                   | 0                   | Source: NWS Employee         |
| <hr/>  |                    |                   |                     |                              |
| Numerous large branches were blown down.   |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>VERNON COUNTY --- 1.7 NW BLOOMINGDALE [43.67, -90.80]</b>   |                    |                   |                     |                              |
|  | 07/10/08 14:45 CST |                   | 2K                  | Thunderstorm Wind (EG 50 kt) |
|  | 07/10/08 14:45 CST |                   | 0                   | Source: COOP Observer        |
| <hr/>  |                    |                   |                     |                              |
| Wind gusts of 58 mph were reported with siding blown off a home.                                     |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>MONROE COUNTY --- 2.1 N CATARACT [44.11, -90.83]</b>  |                    |                   |                     |                              |
|  | 07/10/08 14:46 CST |                   | 2K                  | Thunderstorm Wind (EG 52 kt) |
|  | 07/10/08 14:46 CST |                   | 0                   | Source: Trained Spotter      |
| <hr/>  |                    |                   |                     |                              |
| Trees were blown down.   |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>VERNON COUNTY --- 2.6 NNE BLOOMINGDALE [43.68, -90.75]</b>  |                    |                   |                     |                              |
|  | 07/10/08 14:50 CST |                   | 2.50K               | Thunderstorm Wind (EG 50 kt) |
|  | 07/10/08 14:50 CST |                   | 0                   | Source: Public               |
| <hr/>  |                    |                   |                     |                              |
| Siding was blown off a building and large tree limbs were blown down.                                |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>MONROE COUNTY --- 0.7 S SPARTA [43.92, -90.82]</b>  |                    |                   |                     |                              |
|  | 07/10/08 14:57 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|  | 07/10/08 14:57 CST |                   | 0                   | Source: Emergency Manager    |
| <hr/>  |                    |                   |                     |                              |
| An estimated wind gust of 60 mph was reported from the intersection of Interstate 90 and Highway 27. |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>VERNON COUNTY --- 0.9 NW VIROQUA [43.56, -90.89]</b>  |                    |                   |                     |                              |
|  | 07/10/08 14:57 CST |                   | 1.50K               | Thunderstorm Wind (EG 56 kt) |
|  | 07/10/08 14:57 CST |                   | 0                   | Source: Law Enforcement      |
| <hr/>  |                    |                   |                     |                              |
| Power lines were knocked down by thunderstorm wind gusts.  |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>MONROE COUNTY --- 0.6 S MC COY AAF ARPT [43.96, -90.73]</b>                                       |                    |                   |                     |                              |
|  | 07/10/08 14:58 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|  | 07/10/08 14:58 CST |                   | 0                   | Source: Trained Spotter      |

## Storm Data and Unusual Weather Phenomena - July 2008

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

An estimated wind gust of 60 mph was reported from a camp ground near Fort McCoy.

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**MONROE COUNTY --- 0.6 NNE TUNNEL CITY [44.01, -90.56]**

|  |                    |  |   |                              |
|--|--------------------|--|---|------------------------------|
|  | 07/10/08 15:08 CST |  | 0 | Thunderstorm Wind (EG 56 kt) |
|  | 07/10/08 15:08 CST |  | 0 | Source: Trained Spotter      |

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**MONROE COUNTY --- WARRENS [44.13, -90.50]**

|  |                    |  |   |                              |
|--|--------------------|--|---|------------------------------|
|  | 07/10/08 15:09 CST |  | 0 | Thunderstorm Wind (EG 61 kt) |
|  | 07/10/08 15:09 CST |  | 0 | Source: Trained Spotter      |

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**RICHLAND COUNTY --- 1.7 NE RICHLAND CENTER [43.35, -90.36]**

|  |                    |  |    |                              |
|--|--------------------|--|----|------------------------------|
|  | 07/10/08 15:27 CST |  | 3K | Thunderstorm Wind (EG 56 kt) |
|  | 07/10/08 15:27 CST |  | 1K | Source: Emergency Manager    |

Large trees were blown on Hustlers Ridge.

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**JUNEAU COUNTY --- 0.5 E NEW LISBON [43.88, -90.16]**

|  |                    |  |    |                              |
|--|--------------------|--|----|------------------------------|
|  | 07/10/08 15:32 CST |  | 5K | Thunderstorm Wind (EG 60 kt) |
|  | 07/10/08 15:32 CST |  | 1K | Source: Law Enforcement      |

Trees and power lines were blown down in the city of New Lisbon.

---

**ADAMS COUNTY --- 0.4 SW ARKDALE [44.03, -89.89]**

|  |                    |  |    |                              |
|--|--------------------|--|----|------------------------------|
|  | 07/10/08 15:46 CST |  | 5K | Thunderstorm Wind (EG 62 kt) |
|  | 07/10/08 15:46 CST |  | 0  | Source: Law Enforcement      |

Trees and power lines were blown down.

---

**ADAMS COUNTY --- 2.6 SE ADAMS [43.93, -89.78]**

|  |                    |  |    |                              |
|--|--------------------|--|----|------------------------------|
|  | 07/10/08 16:04 CST |  | 5K | Thunderstorm Wind (EG 62 kt) |
|  | 07/10/08 16:04 CST |  | 0  | Source: Law Enforcement      |

Trees and power lines were blown down southeast of Adams.

**A front remained nearly stationary from southwest Wisconsin into western Minnesota on July 10th. An upper level disturbance tracked along the front, triggering a line of severe thunderstorms. Some of the storms produced up to nickel size hail and wind gusts up to 70 mph.**

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**GRANT COUNTY --- 1.0 ENE POTOSI [42.69, -90.70], 1.3 ENE TENNYSON [42.69, -90.66], 2.4 SW ELLENBORO [42.75, -90.65], 2.4 SSW LANCASTER ARPT [42.75, -90.71], 0.9 NNW POTOSI [42.69, -90.72]**

|  |                    |  |     |                                 |
|--|--------------------|--|-----|---------------------------------|
|  | 07/10/08 19:00 CST |  | 75K | Flash Flood (due to Heavy Rain) |
|  | 07/10/08 20:45 CST |  | 0   | Source: Emergency Manager       |

Emergency Management reported Highway 61 closed between Potosi and Lone Elm Tree road due to shoulder washouts. Several roads were closed and basements flooded along County Roads O and B. Some homes were even evacuated in Potosi.

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**MONROE COUNTY --- 3.5 SSE TOMAH BLOYER FLD ARP [43.93, -90.45], 0.9 NE WYEVILLE [44.04, -90.37], 4.2 WNW WARRENS [44.15, -90.58], 8.8 NE CATARACT [44.16, -90.69], 1.1 WSW TUNNEL CITY [43.99, -90.59]**

|  |                    |  |     |                                 |
|--|--------------------|--|-----|---------------------------------|
|  | 07/10/08 22:42 CST |  | 10K | Flash Flood (due to Heavy Rain) |
|  | 07/11/08 07:42 CST |  | 2K  | Source: Amateur Radio           |

Street flooding was reported in Tomah initially, but flash flooding developed around the city as thunderstorms continued to form for several hours.

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**MONROE COUNTY --- 2.0 NE TUNNEL CITY [44.02, -90.54], 2.8 SW WATERMILL [44.02, -90.51], 2.3 N TOMAH [44.01, -90.49], 1.9 ENE TUNNEL CITY [44.01, -90.53]**

|  |                    |  |    |                           |
|--|--------------------|--|----|---------------------------|
|  | 07/11/08 01:00 CST |  | 4K | Flood (due to Heavy Rain) |
|  | 07/11/08 07:00 CST |  | 0  | Source: Amateur Radio     |

Water rose over the bridge at Mud Creek and may have been over the bridge during the night.

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**JACKSON COUNTY --- 2.4 S MILLSTON [44.17, -90.65], 4.3 E MILLSTON [44.19, -90.56], 2.5 NNE MILLSTON [44.23, -90.63], 1.8 NNW SHEPPARD [44.27, -90.76], 1.6 SW SHEPPARD [44.24, -90.78]**

## Storm Data and Unusual Weather Phenomena - July 2008

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details          |
|--|--------------------|-------------------|---------------------|---------------------------------|
|  | 07/12/08 00:00 CST |                   | 15K                 | Flash Flood (due to Heavy Rain) |
|  | 07/12/08 02:00 CST |                   | 2K                  | Source: Law Enforcement         |
| Flooding caused problems along Highway 12 between Tomah and Black River Falls with some secondary roads damaged.   |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>JUNEAU COUNTY --- 0.4 S (VOK)VOLK AAF CAMP D [43.91, -90.27], 1.3 S (VOK)VOLK AAF CAMP D [43.90, -90.27], 1.2 W ORANGE MILL [43.90, -90.25], 0.4 E (VOK)VOLK AAF CAMP D [43.92, -90.26]</b>   |                    |                   |                     |                                 |
|  | 07/12/08 02:00 CST |                   | 10K                 | Flash Flood (due to Heavy Rain) |
|  | 07/12/08 04:00 CST |                   | 0                   | Source: Law Enforcement         |
| Water flooded sections of County Road H causing a closure.   |                    |                   |                     |                                 |
| <b>A front remained nearly stationary, extending from southern Wisconsin into central Minnesota during the evening and overnight hours of July 10 and 11. Thunderstorms developed along the front and produced very heavy rain, which closed roads across parts of Grant, Juneau, Jackson and Monroe counties.</b> |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>TREMPEALEAU COUNTY --- 0.6 E OSSEO [44.58, -91.21]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 20:30 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/10/08 20:30 CST |                   | 0                   | Source: Public                  |
| A report of quarter sized hail was passed through the media along Interstate 94.   |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>MONROE COUNTY --- 1.6 S SHENNINGTON [44.01, -90.32]</b>   |                    |                   |                     |                                 |
|  | 07/10/08 21:15 CST |                   | 0.50K               | Thunderstorm Wind (EG 58 kt)    |
|  | 07/10/08 21:15 CST |                   | 0                   | Source: Law Enforcement         |
| Law enforcement reported trees down across Funnel Road near Frontier Avenue.   |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>TREMPEALEAU COUNTY --- 0.5 W STRUM [44.55, -91.39]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 21:24 CST |                   | 0                   | Hail (0.88 in)                  |
|  | 07/10/08 21:24 CST |                   | 0                   | Source: Law Enforcement         |
| <hr/>  |                    |                   |                     |                                 |
| <b>TREMPEALEAU COUNTY --- 0.7 WSW STRUM [44.55, -91.39]</b>  |                    |                   |                     |                                 |
|  | 07/10/08 21:26 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/10/08 21:26 CST |                   | 0                   | Source: Trained Spotter         |
| <hr/>  |                    |                   |                     |                                 |
| <b>JUNEAU COUNTY --- 0.6 NE (VOK)VOLK AAF CAMP D [43.93, -90.26]</b>   |                    |                   |                     |                                 |
|  | 07/10/08 21:27 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/10/08 21:27 CST |                   | 0                   | Source: Law Enforcement         |
| Law enforcement reported quarter size hail in the town of Camp Douglas.  |                    |                   |                     |                                 |
| <hr/>  |                    |                   |                     |                                 |
| <b>MONROE COUNTY --- 1.9 WNW WATERMILL [44.06, -90.51]</b>   |                    |                   |                     |                                 |
|  | 07/10/08 21:30 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/10/08 21:30 CST |                   | 0                   | Source: Amateur Radio           |
| <hr/>  |                    |                   |                     |                                 |
| <b>MONROE COUNTY --- 0.7 NNW TOMAH [43.99, -90.50]</b>   |                    |                   |                     |                                 |
|  | 07/10/08 21:31 CST |                   | 0                   | Hail (1.00 in)                  |
|  | 07/10/08 21:31 CST |                   | 0                   | Source: Amateur Radio           |
| <hr/>  |                    |                   |                     |                                 |
| <b>JUNEAU COUNTY --- 1.2 NE NEW LISBON [43.89, -90.15]</b>   |                    |                   |                     |                                 |
|  | 07/10/08 21:35 CST |                   | 0                   | Hail (0.75 in)                  |
|  | 07/10/08 21:35 CST |                   | 0                   | Source: Law Enforcement         |
| <hr/>  |                    |                   |                     |                                 |
| <b>JUNEAU COUNTY --- 1.7 NW NEW LISBON [43.90, -90.19]</b>   |                    |                   |                     |                                 |
|  | 07/10/08 21:35 CST |                   | 0                   | Hail (0.88 in)                  |
|  | 07/10/08 21:35 CST |                   | 0                   | Source: Public                  |
| <hr/>  |                    |                   |                     |                                 |
| <b>JUNEAU COUNTY --- 4.3 NE ELROY [43.80, -90.22]</b>  |                    |                   |                     |                                 |

## Storm Data and Unusual Weather Phenomena - July 2008

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details          |
|---|--------------------|-------------------|---------------------|---------------------------------|
|   | 07/10/08 21:43 CST |                   | 0                   | Hail (0.75 in)                  |
|   | 07/10/08 21:43 CST |                   | 0                   | Source: Amateur Radio           |
| <hr/>   |                    |                   |                     |                                 |
| <b>MONROE COUNTY --- 0.9 S FORT MC COY [44.01, -90.68]</b>  |                    |                   |                     |                                 |
|   | 07/10/08 21:51 CST |                   | 0                   | Hail (0.75 in)                  |
|   | 07/10/08 21:51 CST |                   | 0                   | Source: Amateur Radio           |
| <hr/>   |                    |                   |                     |                                 |
| Penny sized hail was reported.  |                    |                   |                     |                                 |
| <hr/>   |                    |                   |                     |                                 |
| <b>JUNEAU COUNTY --- 0.5 NW LYNDON STATION [43.73, -89.91]</b>  |                    |                   |                     |                                 |
|   | 07/10/08 21:52 CST |                   | 0                   | Hail (0.75 in)                  |
|   | 07/10/08 21:52 CST |                   | 0                   | Source: Amateur Radio           |
| <hr/>   |                    |                   |                     |                                 |
| <b>MONROE COUNTY --- 0.7 SSW TOMAH [43.97, -90.50]</b>  |                    |                   |                     |                                 |
|   | 07/10/08 22:07 CST |                   | 0                   | Hail (0.75 in)                  |
|   | 07/10/08 22:07 CST |                   | 0                   | Source: Trained Spotter         |
| <hr/>   |                    |                   |                     |                                 |
| <b>MONROE COUNTY --- 0.8 N TOMAH [43.99, -90.50]</b>  |                    |                   |                     |                                 |
|   | 07/10/08 22:14 CST |                   | 0                   | Hail (0.75 in)                  |
|   | 07/10/08 22:14 CST |                   | 0                   | Source: Amateur Radio           |
| <hr/>   |                    |                   |                     |                                 |
| <b>MONROE COUNTY --- 3.2 SW TOMAH [43.95, -90.55]</b>   |                    |                   |                     |                                 |
|   | 07/10/08 22:15 CST |                   | 0                   | Hail (1.00 in)                  |
|   | 07/10/08 22:15 CST |                   | 0                   | Source: Amateur Radio           |
| <hr/>   |                    |                   |                     |                                 |
| Hail the size of quarters was reported near the intersection of Highway 16 and County Road M.   |                    |                   |                     |                                 |
| <hr/>   |                    |                   |                     |                                 |
| <b>JACKSON COUNTY --- 0.3 SSE HATFIELD [44.42, -90.73]</b>  |                    |                   |                     |                                 |
|   | 07/11/08 00:45 CST |                   | 0                   | Hail (1.00 in)                  |
|   | 07/11/08 00:45 CST |                   | 0                   | Source: Law Enforcement         |
| <hr/>   |                    |                   |                     |                                 |
| Law Enforcement reported quarter size hail near Lake Arbutus.   |                    |                   |                     |                                 |
| <hr/>   |                    |                   |                     |                                 |
| <b>CLARK COUNTY --- 2.0 NW KURTH [44.60, -90.53]</b>  |                    |                   |                     |                                 |
|   | 07/11/08 01:10 CST |                   | 0                   | Hail (0.75 in)                  |
|   | 07/11/08 01:10 CST |                   | 0                   | Source: COOP Observer           |
| <hr/>   |                    |                   |                     |                                 |
| <b>BUFFALO COUNTY --- 1.1 SE COCHRANE [44.22, -91.82]</b>   |                    |                   |                     |                                 |
|   | 07/11/08 04:15 CST |                   | 0                   | Hail (0.88 in)                  |
|   | 07/11/08 04:15 CST |                   | 0                   | Source: Law Enforcement         |
| <hr/>   |                    |                   |                     |                                 |
| Law Enforcement reported nickel size hail and hail covering the ground in Alma.   |                    |                   |                     |                                 |
| <hr/>   |                    |                   |                     |                                 |
| <b>A front remained nearly stationary from southern Wisconsin into central Minnesota during the evening and overnight hours of July 10 and 11. Severe thunderstorms developed along the front and produced hail up to one inch in diameter, as well as damaging winds, which blew down trees and power lines.</b> |                    |                   |                     |                                 |
| <hr/>   |                    |                   |                     |                                 |
| <b>TAYLOR COUNTY --- 4.0 S JUMP RIVER [45.29, -90.80]</b>   |                    |                   |                     |                                 |
|   | 07/11/08 21:42 CST |                   | 2K                  | Thunderstorm Wind (EG 50 kt)    |
|   | 07/11/08 21:42 CST |                   | 0                   | Source: Law Enforcement         |
| <hr/>   |                    |                   |                     |                                 |
| Power lines were blown down in western Taylor County with power outages reported.   |                    |                   |                     |                                 |
| <hr/>   |                    |                   |                     |                                 |
| <b>GRANT COUNTY --- 1.0 NNE DICKEYVILLE [42.64, -90.59], 1.5 NW DICKEYVILLE [42.65, -90.62], 2.5 NW DICKEYVILLE [42.66, -90.63], 1.1 WSW ELLENBORO [42.78, -90.64], 3.0 NE ELLENBORO [42.81, -90.57]</b>  |                    |                   |                     |                                 |
|   | 07/12/08 02:45 CST |                   | 8K                  | Flash Flood (due to Heavy Rain) |
|   | 07/12/08 05:00 CST |                   | 0                   | Source: Emergency Manager       |
| <hr/>   |                    |                   |                     |                                 |
| Emergency Management reported Oak Road underwater near the Little Platte River. Numerous small streams and creeks were out of their banks.  |                    |                   |                     |                                 |
| <hr/>   |                    |                   |                     |                                 |
| <b>A cold front moved across southwest Wisconsin during the late evening and overnight hours of July 11 into July 12. A line of</b>   |                    |                   |                     |                                 |

## Storm Data and Unusual Weather Phenomena - July 2008

| Location  | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|-----------|-------------------|---------------------|------------------------|
| <b>thunderstorms developed along the front and produced heavy rains that created localized flooding on area streams and creeks in Grant county. Wind damage was also reported in parts of north central Wisconsin including some power outages.</b> |           |                   |                     |                        |

**CLARK COUNTY --- 0.5 NNW LONGWOOD [44.89, -90.60]**

|                    |    |                              |
|--------------------|----|------------------------------|
| 07/16/08 11:00 CST | 5K | Thunderstorm Wind (EG 59 kt) |
| 07/16/08 11:00 CST | 0  | Source: Law Enforcement      |

Law Enforcement reported trees and power lines down a half mile west of Longwood.

**CLARK COUNTY --- 0.6 ESE OWEN [44.95, -90.56]**

|                    |    |                              |
|--------------------|----|------------------------------|
| 07/16/08 11:06 CST | 1K | Thunderstorm Wind (EG 52 kt) |
| 07/16/08 11:06 CST | 0  | Source: Newspaper            |

A newspaper article reported an old willow tree down in the city of Owen.

**CLARK COUNTY --- 0.4 N LONGWOOD [44.89, -90.60]**

|                    |    |                              |
|--------------------|----|------------------------------|
| 07/16/08 11:08 CST | 5K | Thunderstorm Wind (EG 59 kt) |
| 07/16/08 11:08 CST | 0  | Source: Amateur Radio        |

Amateur Radio reported trees and power lines down near Longwood.

**CLARK COUNTY --- 2.1 E CHRISTIE [44.65, -90.56]**

|                    |       |                              |
|--------------------|-------|------------------------------|
| 07/16/08 11:15 CST | 7.50K | Thunderstorm Wind (EG 60 kt) |
| 07/16/08 11:15 CST | 0     | Source: Law Enforcement      |

Law enforcement reported a silo blown off at the intersection of County Road H and Owen Avenue.

**CLARK COUNTY --- 5.3 WSW DORCHESTER [44.98, -90.43]**

|                    |    |                              |
|--------------------|----|------------------------------|
| 07/16/08 11:20 CST | 2K | Thunderstorm Wind (EG 52 kt) |
| 07/16/08 11:20 CST | 0  | Source: Amateur Radio        |

Trees were blown down on County Road E south of the Taylor County line.

**CLARK COUNTY --- 0.9 SW COLBY [44.91, -90.31]**

|                    |   |                         |
|--------------------|---|-------------------------|
| 07/16/08 11:40 CST | 0 | Hail (1.00 in)          |
| 07/16/08 11:40 CST | 0 | Source: Trained Spotter |

**CLARK COUNTY --- 0.9 WSW COLBY [44.91, -90.32]**

|                    |     |                              |
|--------------------|-----|------------------------------|
| 07/16/08 11:40 CST | 12K | Thunderstorm Wind (EG 59 kt) |
| 07/16/08 11:40 CST | 1K  | Source: Amateur Radio        |

Numerous trees and branches were knocked down along with hail damage to cars.

**JUNEAU COUNTY --- 0.0 SW MAUSTON [43.80, -90.08]**

|                    |   |                |
|--------------------|---|----------------|
| 07/16/08 13:48 CST | 0 | Hail (0.88 in) |
| 07/16/08 13:48 CST | 0 | Source: Public |

**A stationary front extended from central Wisconsin into central Minnesota on July 16. Severe thunderstorms developed along the front and moved across portions of central Wisconsin, producing up to quarter size hail and knocking down power lines and trees.**

**VERNON COUNTY --- 1.6 E GREEN WOOD [43.57, -90.39], 1.2 NE VIROQUA MUNI ARPT [43.59, -90.86], 2.6 ESE NEWRY [43.70, -90.77], 1.8 SE DILLY [43.63, -90.40]**

|                    |    |                           |
|--------------------|----|---------------------------|
| 07/16/08 16:00 CST | 5K | Flood (due to Heavy Rain) |
| 07/16/08 20:00 CST | 0  | Source: Law Enforcement   |

Law Enforcement reported flooding on roadways on several rural county roadways, mainly over the north central and eastern parts of Vernon county.

**A stationary front extended from central Minnesota into central Wisconsin on July 16. Thunderstorms developed and remained nearly stationary during the early evening hours. This produced very rainfall of up to three and a quarter inches near Westby. Law enforcement reported flooding on county and township roads in north central Vernon county.**

**TAYLOR COUNTY --- 4.0 WNW JUMP RIVER [45.36, -90.88]**

## Storm Data and Unusual Weather Phenomena - July 2008

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details         |
|---|--------------------|-------------------|---------------------|--------------------------------|
|   | 07/20/08 18:10 CST |                   | 0                   | Hail (0.88 in)                 |
|   | 07/20/08 18:10 CST |                   | 0                   | Source: Public                 |
| <hr/>   |                    |                   |                     |                                |
| <b>CLARK COUNTY --- 2.0 W GREENWOOD [44.77, -90.64]</b>   |                    |                   |                     |                                |
|   | 07/20/08 20:29 CST |                   | 0                   | Hail (0.75 in)                 |
|   | 07/20/08 20:29 CST |                   | 0                   | Source: Emergency Manager      |
| <hr/>   |                    |                   |                     |                                |
| <b>A cold front moved southeast across northern and central Wisconsin during the evening hours of July 20. Isolated severe thunderstorms developed along the front and produced up to nickel size hail.</b>   |                    |                   |                     |                                |
| <hr/>   |                    |                   |                     |                                |
| <b>BUFFALO COUNTY --- 0.4 W NELSON [44.42, -92.01]</b>  |                    |                   |                     |                                |
|   | 07/25/08 16:17 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)   |
|   | 07/25/08 16:17 CST |                   | 0                   | Source: Fire Department/Rescue |
| <hr/>   |                    |                   |                     |                                |
| <b>VERNON COUNTY --- 0.8 WSW VIROQUA MUNI ARPT [43.58, -90.89]</b>  |                    |                   |                     |                                |
|   | 07/25/08 17:15 CST |                   | 0                   | Hail (0.75 in)                 |
|   | 07/25/08 17:15 CST |                   | 0                   | Source: Trained Spotter        |
| <hr/>   |                    |                   |                     |                                |
| <b>RICHLAND COUNTY --- 2.0 SE BOSSTOWN [43.36, -90.59]</b>  |                    |                   |                     |                                |
|   | 07/25/08 18:00 CST |                   | 0.50K               | Thunderstorm Wind (EG 52 kt)   |
|   | 07/25/08 18:00 CST |                   | 0                   | Source: Amateur Radio          |
| <hr/>   |                    |                   |                     |                                |
| Large branches were blown down.   |                    |                   |                     |                                |
| <hr/>   |                    |                   |                     |                                |
| <b>RICHLAND COUNTY --- 0.4 ENE GOTHAM [43.22, -90.29]</b>   |                    |                   |                     |                                |
|   | 07/25/08 18:37 CST |                   | 4K                  | Thunderstorm Wind (EG 56 kt)   |
|   | 07/25/08 18:37 CST |                   | 0                   | Source: Amateur Radio          |
| <hr/>   |                    |                   |                     |                                |
| <b>Power outages and trees damage were reported. A tree falling on power lines caused a fire in the city of Gotham.</b>   |                    |                   |                     |                                |
| <hr/>   |                    |                   |                     |                                |
| <b>A cold front tracked into central and southwest Wisconsin during the evening hours on July 25. A line of severe thunderstorms developed along the front and produced penny size hail and damaging winds.</b>   |                    |                   |                     |                                |
| <hr/>   |                    |                   |                     |                                |
| <b>CRAWFORD COUNTY --- 0.2 W PRAIRIE DU CHIEN ARP [43.02, -91.12]</b>   |                    |                   |                     |                                |
|   | 07/31/08 09:55 CST |                   | 0                   | Thunderstorm Wind (MG 52 kt)   |
|   | 07/31/08 09:55 CST |                   | 0                   | Source: AWOS                   |
| <hr/>   |                    |                   |                     |                                |
| <b>CRAWFORD COUNTY --- 0.9 SE PRAIRIE DU CHIEN [43.04, -91.14]</b>  |                    |                   |                     |                                |
|   | 07/31/08 10:10 CST |                   | 2K                  | Thunderstorm Wind (EG 52 kt)   |
|   | 07/31/08 10:10 CST |                   | 0                   | Source: Emergency Manager      |
| <hr/>   |                    |                   |                     |                                |
| A telephone pole and tree branches were blown down.   |                    |                   |                     |                                |
| <hr/>   |                    |                   |                     |                                |
| <b>GRANT COUNTY --- 0.7 E LANCASTER [42.85, -90.71]</b>   |                    |                   |                     |                                |
|   | 07/31/08 10:24 CST |                   | 0.50K               | Thunderstorm Wind (EG 52 kt)   |
|   | 07/31/08 10:24 CST |                   | 0                   | Source: Public                 |
| <hr/>   |                    |                   |                     |                                |
| Large trees were knocked down.  |                    |                   |                     |                                |
| <hr/>   |                    |                   |                     |                                |
| <b>GRANT COUNTY --- 0.7 N PLATTEVILLE [42.74, -90.48]</b>   |                    |                   |                     |                                |
|   | 07/31/08 10:39 CST |                   | 25K                 | Thunderstorm Wind (EG 58 kt)   |
|   | 07/31/08 10:39 CST |                   | 0                   | Source: Emergency Manager      |
| <hr/>   |                    |                   |                     |                                |
| Numerous large trees and power lines were down in the city of Platteville. This caused power outages in parts of the city, along with damage to a home and a garage.  |                    |                   |                     |                                |
| <hr/>   |                    |                   |                     |                                |
| <b>A low pressure area moved into western Wisconsin during the late morning hours of July 31st. Severe thunderstorms developed ahead of the system producing wind gusts up to 60 mph. This knocked down trees and power lines over Crawford and Grant counties.</b> |                    |                   |                     |                                |