

# AUGUST 2008

## ASTRONOMICS

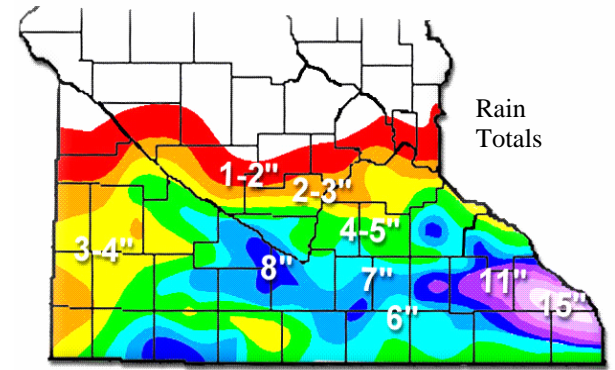
### WATSON FORECAST AUGUST 2008:

1-3 Warm with one good rain.  
 4-8 Warm with scattered storms.  
 9-12 Cool with isolated showers.  
 13-18 Seasonable temperatures with passing showers.  
 19-24 Warmer with one good rain.  
 25-31 Mild with scattered showers.

**Overall: Temperatures cooler.  
 Rainfall above normal.**

- 1 Total Solar eclipse; mag=1.036
- 1 Midday sun 58° elevation
- 3 Saturn 2.3°N of Moon
- 4 Mars 4°N of Moon
- 5 Venus 1.1°N of Regulus
- 6 Midday sun 57° elevation
- 10 Mercury 1.1°N of Regulus
- 10 Moon at Apogee: 251,380 mi.
- 12-13 Perseids meteor shower
- 13 Jupiter 3°N of Moon
- 15 Mercury 0.7°S of Saturn
- 21 Midday sun 53° elevation
- 23 Mercury 1.2°S of Venus
- 25 Moon at Perigee: 229,094 mi.
- 30 Midday sun 51° elevation

**Visible planets: Morning: Uranus  
 Evening: Mars, Saturn, Venus, Jupiter, Mercury**



Heavy rains soaked southern Minnesota from Aug. 18-20, 2007. A new 24hr rainfall record was set near Hokah in Houston, Co. totaling 15.10" and a 16.27" storm total. Hundreds of homes and businesses were impacted with seven people losing their lives. Source: Minnesota State Climate Office

## AUGUST WEATHER VALUES

Hottest temperature ever 102.4  
 Warmest monthly mean 74.7  
 Mean maximum temperature 79.7  
 Mean temperature 70.1  
 Mean minimum temperature 60.5  
 Coolest monthly mean 65.5  
 Lowest temperature 39.4

Mean days over 90 degrees 3  
 Mean days under 0 degrees 0

Mean monthly precipitation 4.42  
 Wettest month 8.20  
 Driest month .46  
 Most prcp on one date 2.66  
 Most prcp 2 dates in a row 3.39

Mean monthly snowfall 0  
 Snowiest month 0  
 Least snowy month 0  
 Most snow on one date 0  
 Most snow 2 dates in a row 0

Mean no. days with thunder 6  
 Hail .2  
 Sleet 0  
 Glaze 0  
 Dense fog .8  
 Rainbow seen .1  
 Mean no. dates with halo 2



Photo: Tom Ruen

## AUGUST LAST YEAR 2007

- 1 Hot 94.1°. 8 of first 11 days 90°+. **35W Bridge Collapses.**
- 2 High 90.5°.
- 4 3-day cold. Rains SW and SE MN. Bond ties Aarons HR record.
- 5 High 74.3°. Gas \$2.79.
- 6 High 80.6°. More rain for SW MN. Oil \$72.06.
- 7 Hot 93.2°. Welcomed rain over southern MN. Bond hits HR 756 record.
- 9 High 91.4°. Dew points drop in evening.
- 10 Hottest day of month 96.8°.
- 11 Last 90° of month. 91.4°. More Rain. 1.73" MSP. Storms rock TwinPlex.
- 12 TV legend Merv Griffin dies at 82.
- 13 Rain 2.05" MSP. Golf ball size hail White Bear, Shoreview.
- 14 Showers southern 1/3 of MN. Oil \$72.30.
- 16 Sunny and dry. High 81.5°. Tropical storm ashore in Texas.
- 17 Last day of sun for 7 days. Gas \$2.97. Hurricane Dean hits Caribbean.  
**New 24-hr. record rain 15.10" near Hokah in Houston County.**
- 18 High only 60.8°. 3-day cold with high only in 60's. Heavy rain SE MN.
- 19 2-day rain total 2.63" MSP. High 61.7°. Major flooding SE MN.
- 20 Midday downpour. Hurricane Dean category 5 hits Jamaica.
- 21 Overnight thunderstorm. Loud thunder sets off car alarm.
- 22 Morning fog. Hurricane Dean hits southern Mexico.
- 23 High 68.9°. Dense morning fog. Wet start to State Fair.
- 24 1<sup>st</sup> day of sun since the 17<sup>th</sup>. Bush declares 3 MN Co. flood disaster.
- 26 Northwood, ND hit by **Tornado.**
- 27 2.75" hail north of McGregor.
- 28 2-day Roseville rain total 3.17". Damage in Bloomington.
- 29 Twins swept by Cleveland, 8 1/2 out.
- 30 Lowest temp of month 51.8°.
- 31 Minneapolis bike riot. 19 arrested. Oil \$74.04.

NOTES: The heat and dry conditions ushered in August. Eight of the first eleven days were 90°+. The weather changed on the 11<sup>th</sup> as wet weather became dominate. Yards turned from brown to lush green by the end of the month. Monthly rain totals 7.85" Roseville, 9.32" Airport. Rochester 14.07".