

Decorah Weather - July 2008 Summary

by Richard Bernatz

Weather data available online at <http://faculty.luther.edu/~bernatzr/DecWx/>

1. JULY 2008 TEMPERATURES

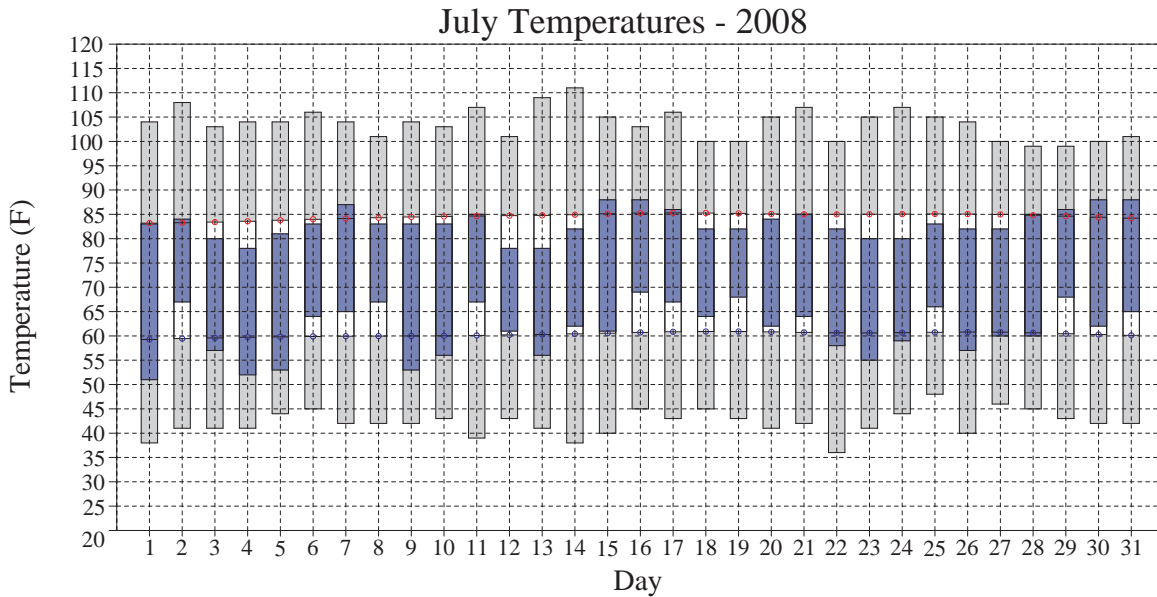


Figure 1: **Blue Bar:** Observed temperature range for 2008, **Grey Bar:** Record temperature range, **White Bar:** Average temperature range, red circle for average high, blue circle for average low.

Temperature (° F)	July 2008	Historical	Deviation
Average High	83.2	84.6	-1.4
Average Low	61.2	60.4	+0.8
Daily Average	72.2	72.5	-0.3

Table 1: July 2008 average temperatures compared to July averages.

- **JULY 2008**
 - Average temperature : 72.2° F (0.3 ° F less than average)
 - Warmest temperature : 88° F on the 15th, 16th, 30th, 31st
 - Coldest temperature : 51° F on the 1st
 - No record temperatures set in July 2008
- **ALL JULYS: 1894-2008** (data for 1900, 1908, and 1913 are missing)
 - Compared with July 2008, 56 Julys were warmer, 55 Julys were cooler
 - Warmest average : 80.4° F in 1901
 - Coldest average : 66.8° F in 1992
 - Warmest temperature : 111° F on the 14th of 1936
 - Coldest temperature : 36° F on the 22nd of 1947

2. **JULY 2008 PRECIPITATION**

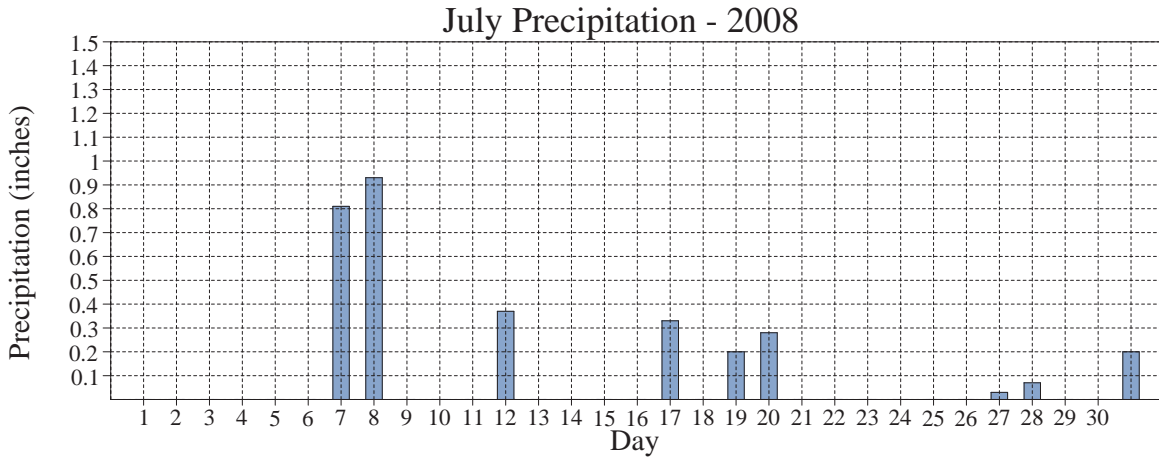


Figure 2: July precipitation for Decorah.

- JULY 2008
 - Total precipitation for July 2008 : 3.22 inches, 0.85 inches less than the average precipitation of 4.07 inches
 - 9 days with measurable precipitation
 - Greatest 24-hour total : 0.93 inches on the 8th
- ALL JULYS: 1894 - 2008 (no missing data)
 - Compared with July 2008, 66 Julys were wetter, one was the same, and 48 Julys were drier
 - Wettest July : 10.73 inches in 1950
 - Driest July : 0.00 inches in 1948

3. **TWELVE-MONTH SUMMARY**

Month	Year	Ave Temp (°F)	Deviation (°F)	Precip (inches)	Deviation (inches)
August	2007	71.8	+1.5	15.11	+11.13
September	2007	65.1	+3.2	3.04	-0.62
October	2007	50.3	+6.0	4.33	+2.10
November	2007	35.4	+0.8	0.05	-1.77
December	2007	19.3	-2.1	1.46	+0.33
January	2008	14.7	-1.4	0.82	-0.22
February	2008	15.3	-4.6	1.05	+0.11
March	2008	30.6	-1.7	1.47	-0.42
April	2008	46.8	-0.4	8.74	+5.71
May	2008	56.2	-2.5	3.20	-0.95
June	2008	67.3	-0.6	14.10	+9.54
July	2008	72.2	-0.3	3.22	-0.85

Table 2: A summary of the most recent twelve months.

- July 2008 is the eighth consecutive month with cooler than average temperatures.
- Six of the past 12 months have been wetter than average.
- Decorah has a precipitation surplus of 24.09 inches over the last twelve months.
- In terms of calendar years, 2008 is the third wettest through July, with a total of 32.60 inches. The wettest year for the same interval (January - July) is 1993 with a total of 34.17, and the second wettest is 2004 with a sum of 33.25 inches. The historical average for the interval January through July is 14.16. The annual average precipitation for Decorah is 32.57 inches.