

Decorah Weather - September 2009 Summary

by Richard Bernatz

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

1. TEMPERATURES

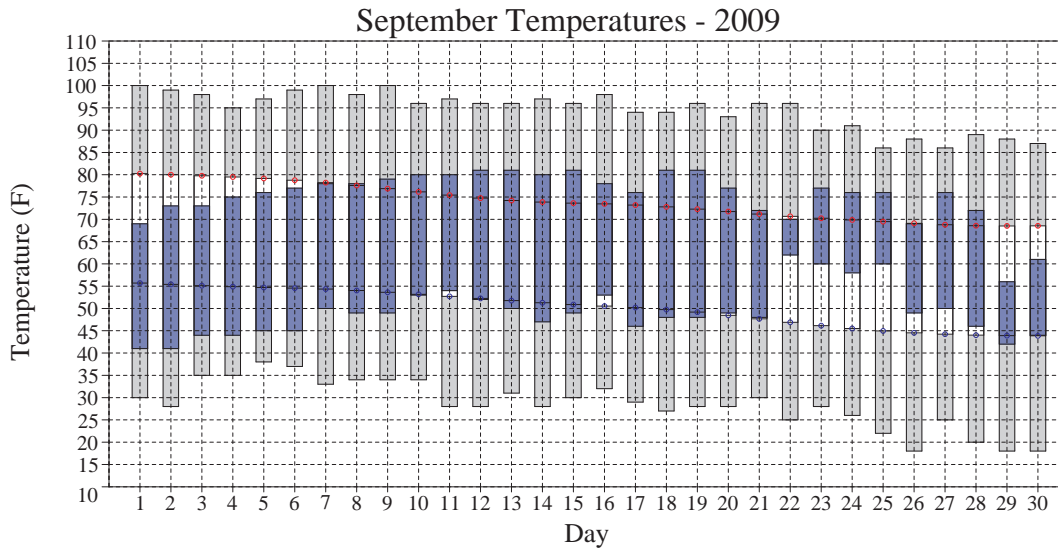


Figure 1: Observed temperatures - solid bar, record temperatures - blank bar, average temperatures - circles.

Item	September 2009 Average	Historical Average	Deviation
High temperature (°F):	75.3	73.8	+1.5
Low temperature (°F):	49.2	50.1	-0.9
Daily temperature (°F):	62.2	61.9	0.3

Table 1: September 2009 Temperatures compared with September History.

- SEPTEMBER 2009
 - No record temperatures
 - Average temperature : 62.2° F (0.3° F warmer than average)
 - Warmest temperature : 81° F on the 12th, 13th, 15th, 18th, and 19th
 - Coldest temperature : 41° F on the 1st and 2nd
 - This year marks the 50th time in the last 114 years that the first fall freezing temperature (32° F or lower) for Decorah was recorded after September 30th.
- ALL SEPTEMBERS SINCE 1894 (no missing data)
 - Compared with September 2009, 51 Septembers were warmer and 63 Septembers were cooler
 - Warmest average : 69.3° F in 1931
 - Coldest average : 55.0° F in 1924
 - Warmest temperature : 100° F on the 1st of 1913, 7th of 1939, and the 9th of 1955
 - Coldest temperature : 18° F on the 26th of 1926, the 29th of 1949, and the 30th of 1899

2. PRECIPITATION

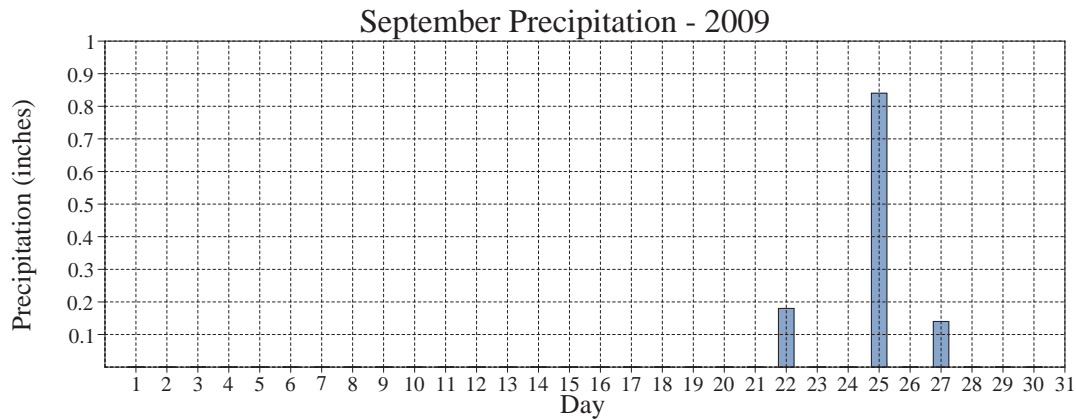


Figure 2: Precipitation for Decorah.

- SEPTEMBER 2009
 - Total precipitation for September 2009 : 1.16 inches (2.46 inches less than the average of 3.62 inches)
 - Largest 24-hour total: 0.84 inches on September 25th
 - 3 days with measurable precipitation (average is 8 to 9 days)
- ALL SEPTEMBERS SINCE 1894 (no missing data)
 - Compared with September 2009, 107 Septembers were wetter, 8 Septembers were drier
 - Wettest September : 11.21 inches in 1972
 - Driest September: 0.30 inches in 1979

3. TWELVE-MONTH SUMMARY

Month	Year	Ave Temp (°F)	Deviation (°F)	Precip (inches)	Deviation (inches)
October	2008	50.2	-0.1	1.91	-0.32
November	2008	36.7	+1.8	1.98	+0.16
December	2008	15.0	-6.4	1.63	+0.50
January	2009	8.8	-7.3	0.59	-0.45
February	2009	23.6	+3.4	0.95	+0.01
March	2009	36.4	+4.1	1.45	-0.44
April	2009	47.2	0.0	4.37	+1.33
May	2009	58.3	+0.3	4.70	+0.55
June	2009	67.3	-0.6	2.95	-1.60
July	2009	66.4	-6.0	3.87	-0.19
August	2009	67.9	-2.3	6.53	+2.54
September	2009	62.2	+0.3	1.16	-2.46

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

- September 2009 is the first month in four to have an above average mean temperature.
- Decorah has a precipitation deficit of 0.37 inches over the past 12 months