

Decorah Weather - January 2009 Summary

by Richard Bernatz

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

1. JANUARY 2009 TEMPERATURES

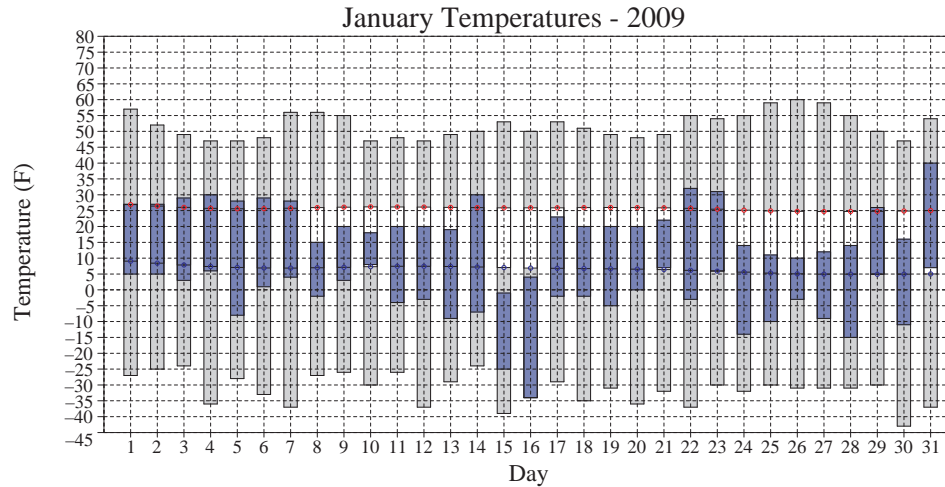


Figure 1: **Blue Bar:** Observed temperature range for 2009, **Grey Bar:** Record temperature range, **White Bar:** Average temperature range, red circle for average high, blue circle for average low.

Temperature (° F)	January 2009	Historical	Deviation
Average High	21.0	25.6	- 4.6
Average Low	-3.4	6.5	- 9.9
Daily Average	8.8	16.1	- 7.3

Table 1: January 2009 average temperatures compared to January averages.

- JANUARY 2009
 - Daily Records: minimum low of -34° F on the 16th, old record of -28 in 1963
 - Monthly average temperature : 8.8° F (7.3° F cooler than average)
 - Warmest temperature : 40° F on the 31st
 - Coldest temperature : -34° F on the 16th
 - Nineteen days with below average high temperature
 - Twenty-six days with below average minimum temperature
 - Two days, 15th and 16th, with a high temperature less than the average low temperature
 - Heating Degree Days : 1741, 223 more than the average of 1518
- ALL JANUARIES SINCE 1894 (115 years)
 - Compared with January 2009, 98 Januaries were warmer, 16 Januaries were cooler
 - Warmest average : 31.3° F in 2006
 - Coldest average : -2.1° F in 1912
 - Warmest temperature : 60° F on the 26th of 2002
 - Coldest temperature : -43° F on the 30th of 1951

2. JANUARY 2009 PRECIPITATION

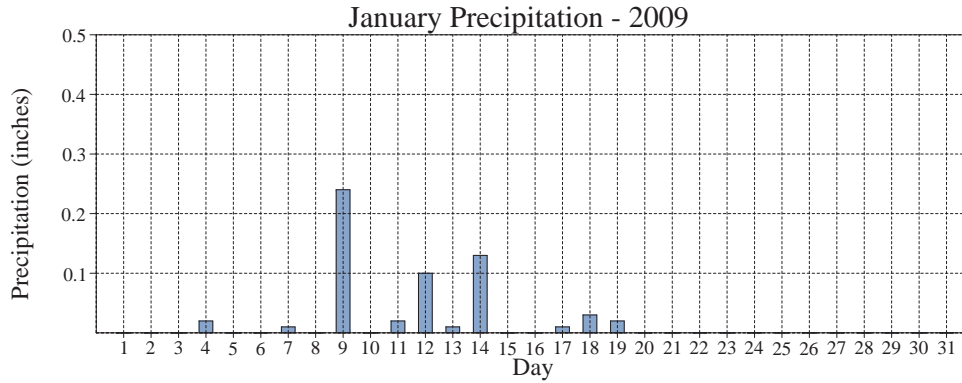


Figure 2: January precipitation for Decorah.

- JANUARY 2009
 - Total precipitation for January 2009 : 0.59 inches, 0.45 inches less than the average of 1.04 inches
 - Ten days with measurable precipitation. Maximum of 0.24 inches on the 9th.
 - Nine days with measurable snowfall. Maximum of 4 inches on the 9th.
 - Total snowfall of 10.5 inches, approximately 1 inch more than average
- ALL JANUARIES SINCE 1894 (116 years)
 - Compared with January 2009, 81 Januaries were wetter, 2 were the same, and 32 Januaries were drier
 - Wettest January : 3.74 inches in 1996
 - Driest January : 0.09 inches in 1948
 - Compared with January 2009, 23 Januaries were snowier and 35 Januaries were less snowy (Snowfall records begin in 1951.)
 - Snowiest January : 35 inches in 1996
 - Least Snowy January : 0 inches in 2006

3. TWELVE-MONTH SUMMARY

Month	Year	Ave Temp (°F)	Deviation (°F)	Precip (inches)	Deviation (inches)
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
August	2008	69.1	-1.2	2.37	-1.60
September	2008	63.3	+1.3	1.81	-1.84
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

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

- Ten of the past 12 months were cooler than average.
- Seven of the past 12 months were drier than average.
- Over the last 12 months, Decorah has a precipitation excess of 9.59 inches, due to the excesses of 9.54 inches in June and 5.71 inches in April of 2008