

Decorah Weather - December 2024

by Richard Bernatz

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

1. DECEMBER 2024 TEMPERATURES

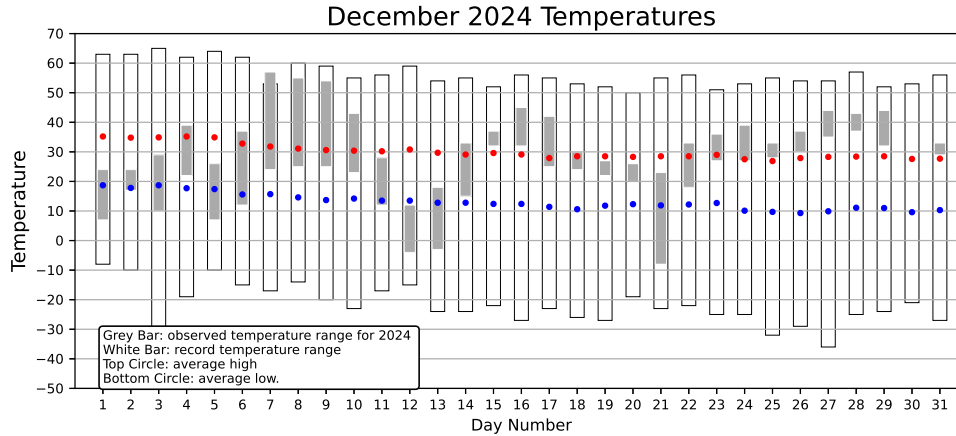


Figure 1: **Grey Bar:** Observed temperature range for 2024 , **Clear Bar:** Record temperature range, **Average temperature range:** Red circle for average high, blue circle for average low.

Temperature (° F)	December 2024	Historical	Deviation
Average High	35.0	30.4	+4.6
Average Low	20.1	13.5	+6.6
Daily Average	27.6	22.0	+5.6

Table 1: December 2024 average temperatures compared to Historical averages.

- DECEMBER 2024
 - Record temperatures: Maximum of 57° F on the 7th. Previous record: 54° F in 2023
 - Average temperature : 27.6° F, 5.6° F warmer than average
 - Warmest temperature : 57° F on the 7th
 - Coldest temperature : -9° F on the 21st
 - The Maximum temperature exceeded the daily average on 19 days.
 - The Minimum daily temperature exceeded the daily average on 16 days.
 - Heating Degree Days : 1123.5, 207.2 less than the average of 1330.7
- ALL DECEMBERS SINCE 1893 (132 years)
 - Compared with December 2024, 23 Decembers were warmer and 108 were cooler.
 - Warmest average : 36.0° F in 2023
 - Coldest average : 8.5° F in 1983 and 1985
 - Warmest temperature : 69° F on the 15th of 2021
 - Coldest temperature : -36° F on the 27th of 1950

2. DECEMBER 2024 PRECIPITATION

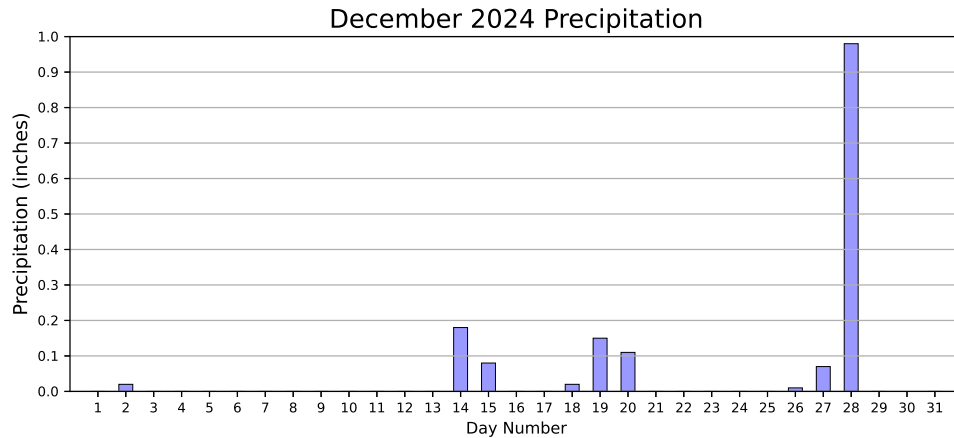


Figure 2: December precipitation for Decorah.

- DECEMBER 2024
 - Total precipitation for December 2024 : 1.62 inches, 0.41 inches more than the average of 1.21 inches
 - Greatest 24-hour total for December 2024 : 0.98 inches on the 28th.
 - Nine days with measurable precipitation, the average is five to six days
 - Total snowfall for December 2024 : 5.6 inches, 3.0 inches less than the average of 8.6 inches
 - Five days with measurable snowfall, the average is four or five days
- ALL DECEMBERS SINCE 1893 (132 years)
 - Compared to December 2024, 35 Decembers were wetter, one was the same, and 95 were drier
 - Wettest December : 4.78 inches in 2015
 - Driest December : 0.10 inches in 1998

3. | | |-----------------------| | DECEMBER 2024 SUMMARY | |-----------------------|

An analysis of historical December weather data reveals that December 2024 in Decorah, Iowa, was a month of notable deviations from historical norms, particularly in terms of temperature.

Temperatures: Above Average

The most striking aspect of December 2024 was above average monthly temperatures. The average high temperature for the month reached 35.0°F, a remarkable 4.6°F higher than the historical average. This warmth was further accentuated by a record-breaking high of 57°F, surpassing the previous December record.

Precipitation: A Mixed Story

While temperatures were significantly above average, precipitation levels presented a less clear picture. The total precipitation for December 2024 was 1.62 inches, exceeding the historical average by 0.41 inches. However, the distribution of this precipitation was noteworthy. December 2024 saw more frequent precipitation events, with nine days recording measurable rainfall compared to the usual five to six days.

Snowfall Lagged Behind

In contrast to the warmth, snowfall in December 2024 fell short of historical averages. The total snowfall for the month was only 5.6 inches, a deficit of 3.0 inches compared to the historical average. This discrepancy highlights the atypical nature of the month's weather. The reduced snowfall can likely be attributed to the warmer-than-average temperatures, which limited conditions favorable for snowfall.

A December to Remember

December 2024 in Decorah is characterized by pronounced warmth and reduced snowfall, accompanied by slightly above-average precipitation, painting a somewhat distinct picture compared to "typical" Decembers.