

Decorah Weather - July 2025 Summary

by Richard Bernatz

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

1. JULY 2025 TEMPERATURES

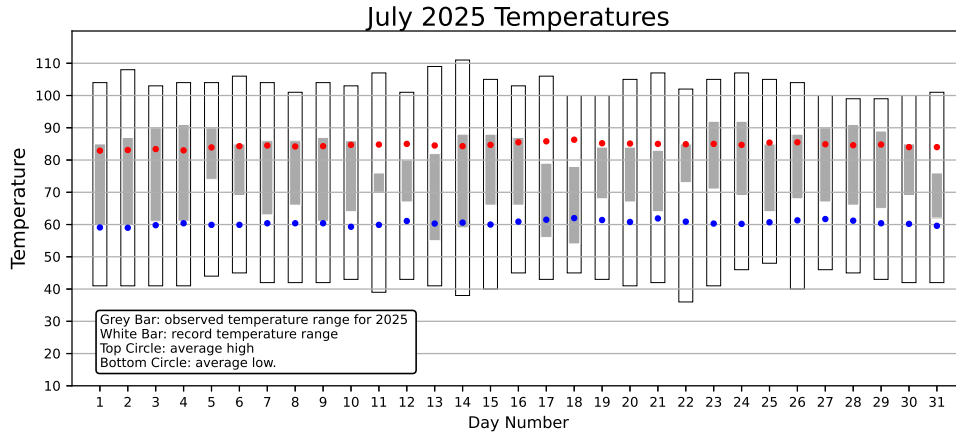


Figure 1: **Grey Bar:** Observed temperature range for 2025, **White Bar:** Record temperature range, **Average temperature range:** Red circle for average high, blue circle for average low.

Temperature (° F)	July 2025	Historical	Deviation
Average High	85.6	84.6	+1.0
Average Low	64.7	60.6	+4.1
Daily Average	75.2	72.6	+2.6

Table 1: July 2025 average temperatures compared to July averages.

- JULY 2025
 - Average temperature : 75.2° F (2.6° F above average)
 - Record temperatures : none
 - Warmest temperature : 92° F on the 23rd and 24th
 - Coldest temperature : 54° F on the 18th
 - July cooling degree days: 315 (70.5 more than the average of 244.5)
- ALL JULYS: 1894-2025 (131 years, data for 1913 are missing)
 - Compared with July 2025, 25 Julys were warmer and 105 were cooler.
 - Warmest average : 80.4° F in 1901
 - Coldest average : 66.4° F in 2009
 - Warmest temperature : 111° F on the 14th of 1936
 - Coldest temperature : 36° F on the 22nd of 1947

2. JULY 2025 PRECIPITATION

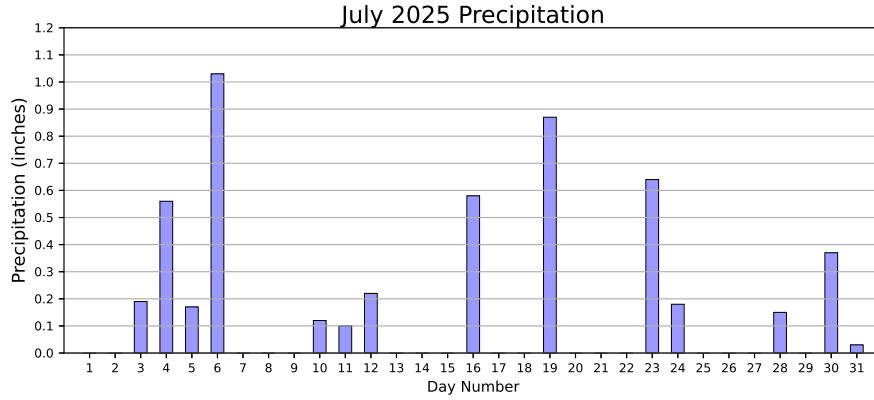


Figure 2: July precipitation for Decorah.

- JULY 2025
 - Total precipitation for July 2025 : 5.21 inches, 1.13 inches more than the average precipitation of 4.08 inches
 - Fourteen days with measurable precipitation (average number is 9 days)
 - Greatest 24-hour total : 1.03 inches on the 6th
- ALL JULYS: 1894 - 2025 (132 years, no missing data)
 - Compared with July 2025, 34 Julys were wetter and 97 were drier
 - Wettest July : 10.83 inches in 2025
 - Driest July : 0.23 inches in 1937

TWELVE-MONTH SUMMARY

Month	Year	Ave Temp (°F)	Deviation (°F)	Rank† (#/Total)	Precip (inches)	Deviation (inches)	Rank‡ (#/Total)
August	2024	73.8	+3.4	16/132	1.87	-2.16	108/132
September	2024	67.5	+5.2	9/131	0.39	-3.29	130/131
October	2024	57.3	+6.9	4/131	1.61	-0.71	89/131
November	2024	40.4	+4.1	15/132	3.70	+1.85	12/132
December	2024	26.7	+5.6	24/132	1.62	+0.41	36/132
January	2025	19.3	+2.9	44/132	0.06	-0.96	132/132
February	2025	19.7	-0.5	67/132	0.30	-0.65	114/131
March	2025	43.0	+10.0	3/133	3.08	+1.16	14/133
April	2025	49.3	+2.0	26/132	5.90	+2.76	12/132
May	2025	59.7	+0.7	55/130	2.46	-1.79	107/130
June	2025	72.9	+4.6	8/131	6.26	+1.47	34/131
July	2025	75.2	+2.6	26/131	5.21	+1.13	35/132

Table 2: A summary of the last twelve months. †- The smaller the number (#), the warmer the month. ‡- The smaller the number (#), the wetter the month. Boxed entries are within the historical top or bottom ten.

- Eleven of the last twelve months were warmer than average.
- Six of the last twelve months were wetter than average. Four of the last 6 were wetter than average
- Precipitation deviations. last 3 months : +0.81 inches, last 6 months : +4.08 inches, last 9 months: 5.40 inches, last 12 months : -0.78 inches

3. JULY NARRATIVE SUMMARY

July 2025 in Decorah, Iowa, experienced warmer and wetter conditions than their respective historical averages. The average temperature for the month was 75.2° F, which is 2.6° F above the historical average of 72.6° F. Looking back at 131 years of July weather data, July 2025 ranks as the 26th warmest July on record, with 25 Julys being warmer and 105 being cooler. The warmest day of the month reached 92° F on both the 23rd and 24th, while the coldest temperature observed was 54° F on the 18th. No new record temperatures were set during the month. The average high for July 2025 was 85.6° F (a +1.0° F deviation from average), and the average low was 64.7° F (a +4.1° F deviation from average). The month accumulated 315 cooling degree days, exceeding the average of 244.5 by 70.5.

Precipitation in July 2025 totaled 5.21 inches, which is 1.13 inches more than the average July precipitation of 4.08 inches. There were 14 days with measurable precipitation, significantly more than the average of 9 days. The highest 24-hour rainfall occurred on the 6th, measuring 1.03 inches. In the 132 years of July precipitation data, 2025 ranks as the 35th wettest July, with 34 Julys being wetter and 97 being drier. July 2022 holds the record for the wettest July with 10.83 inches.

A review of the past twelve months reveals a clear warming trend, with eleven out of the last twelve months experiencing above-average temperatures. This includes particularly warm months like September 2024 (67.5° F, 9th warmest), October 2024 (57.3° F, 4th warmest), March 2025 (43.0° F, 3rd warmest), and June 2025 (72.9° F, 8th warmest).

In terms of precipitation, six of the last twelve months were wetter than average, with four of the last six months showing above average rainfall. Recent precipitation deviations indicate an increasingly wetter trend, with the last 3 months being +0.81 inches above average, the last 6 months 4.08 inches above average, and the last 9 months 5.40 inches above average. Despite these recent wetter periods, the overall precipitation deviation for the last 12 months remains slightly below average at -0.78 inches. January 2025 stands out as the driest January on record with a mere 0.06 inches of precipitation.