

Decorah Weather - July 2024 Summary

by Richard Bernatz

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

1. JULY 2024 TEMPERATURES

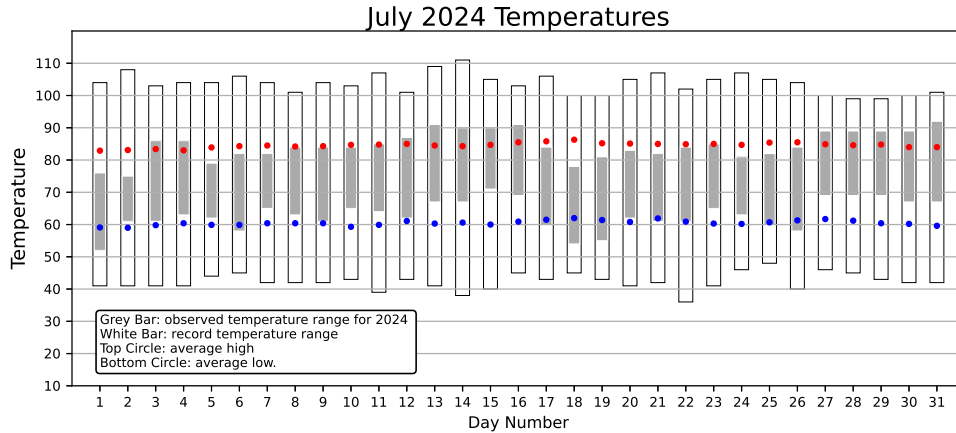


Figure 1: **Grey Bar:** Observed temperature range for 2024, **White Bar:** Record temperature range, **Average temperature range:** Red circle for average high, blue circle for average low.

Temperature (° F)	July 2024	Historical	Deviation
Average High	84.6	84.6	—
Average Low	62.9	60.6	+2.3
Daily Average	73.8	72.6	+1.2

Table 1: July 2024 average temperatures compared to July averages.

- JULY 2024
 - Average temperature : 73.8° F (1.2° F above average)
 - Record temperatures : none
 - Warmest temperature : 92° F on the 31st
 - Coldest temperature : 52° F on the 1st
 - July cooling degree days: 273.5 (29.5 more than the average of 244.0)
- ALL JULYS: 1894-2024 (130 years, data for 1913 are missing)
 - Compared with July 2024, 44 Julys were warmer and 85 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 2024 PRECIPITATION

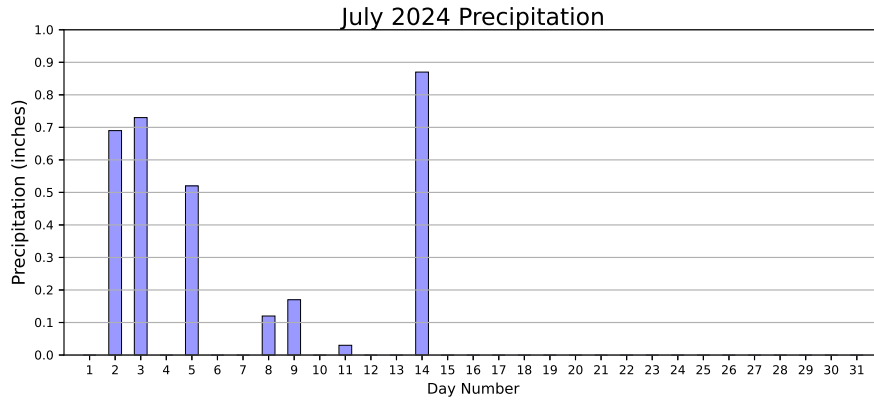


Figure 2: July precipitation for Decorah.

- JULY 2024
 - Total precipitation for July 2024 : 3.13 inches, 0.94 inches less than the average precipitation of 4.07 inches
 - Seven days with measurable precipitation (average number is 9 days)
 - Greatest 24-hour total : 0.87 inches on the 14th
- ALL JULYS: 1894 - 2024 (131 years, no missing data)
 - Compared with July 2024, 78 Julys were wetter and 52 were drier
 - Wettest July : 10.83 inches in 2024
 - 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	2023	74.9	+4.5	11/131	0.91	-3.14	125/131
September	2023	69.3	+7.0	1/130	5.54	+1.84	26/130
October	2023	54.3	+4.0	19/130	2.78	+0.45	46/130
November	2023	40.0	+4.7	19/131	0.18	-1.65	128/131
December	2023	36.0	+14.1	1/131	1.07	-0.14	71/131
January	2024	24.0	+7.6	14/131	1.56	+0.51	24/131
February	2024	38.1	+17.9	1/131	0.37	-0.59	107/130
March	2024	42.4	+9.5	3/132	2.18	+0.28	49/132
April	2024	50.5	+3.1	26/131	3.97	+0.85	31/131
May	2024	62.7	+3.8	20/129	9.11	+4.85	6/129
June	2024	71.9	+3.6	18/130	7.38	+2.60	22/130
July	2024	73.8	+1.2	45/130	3.13	-0.94	79/131

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.

- July 2024 is the 12th consecutive month with an above average mean temperature.
- July 2024 is one of five months with below average precipitation over the last 12 months. The previous four months recorded above average precipitation.
- Precipitation deviations. last 3 months : +6.51 inches, last 6 months : +7.05 inches, last 9 months: 5.79 inches, last 12 months : 4.93 inches