

Central Indiana

October 2024 Preliminary Climate Summary

18th Warmest October on record at Indianapolis (Tied)

8th Driest October on record at Indianapolis

Temperatures

Site	October 2024 Avg Temp	October 2024 Dep from Nml	Highest Temperature	Lowest Temperature
Indianapolis Int'l Airport	60.0	+4.5	83 on 4 th	35 on 17 th
Lafayette	58.0	+4.3	84 on 5 th , 12 th	28 on 17 th
Muncie	58.6	+2.8	83 on 4 th , 5 th	33 on 17 th , 27 th
Terre Haute	59.0	+4.1	86 on 5 th	27 on 17 th
Bloomington	58.7	+3.4	84 on 5 th	30 on 17 th
Shelbyville	60.2	+4.1	86 on 5 th	30 on 17 th
Eagle Creek Airpark	59.9	+4.4	83 on 5 th	35 on 17 th

Indianapolis' average daily temperatures were above/below normal on 21/8 days and at normal on 2 days, while within 5 degrees of normal on 14 days. October 2024 continued to extend and magnify the above normal trend started in August.

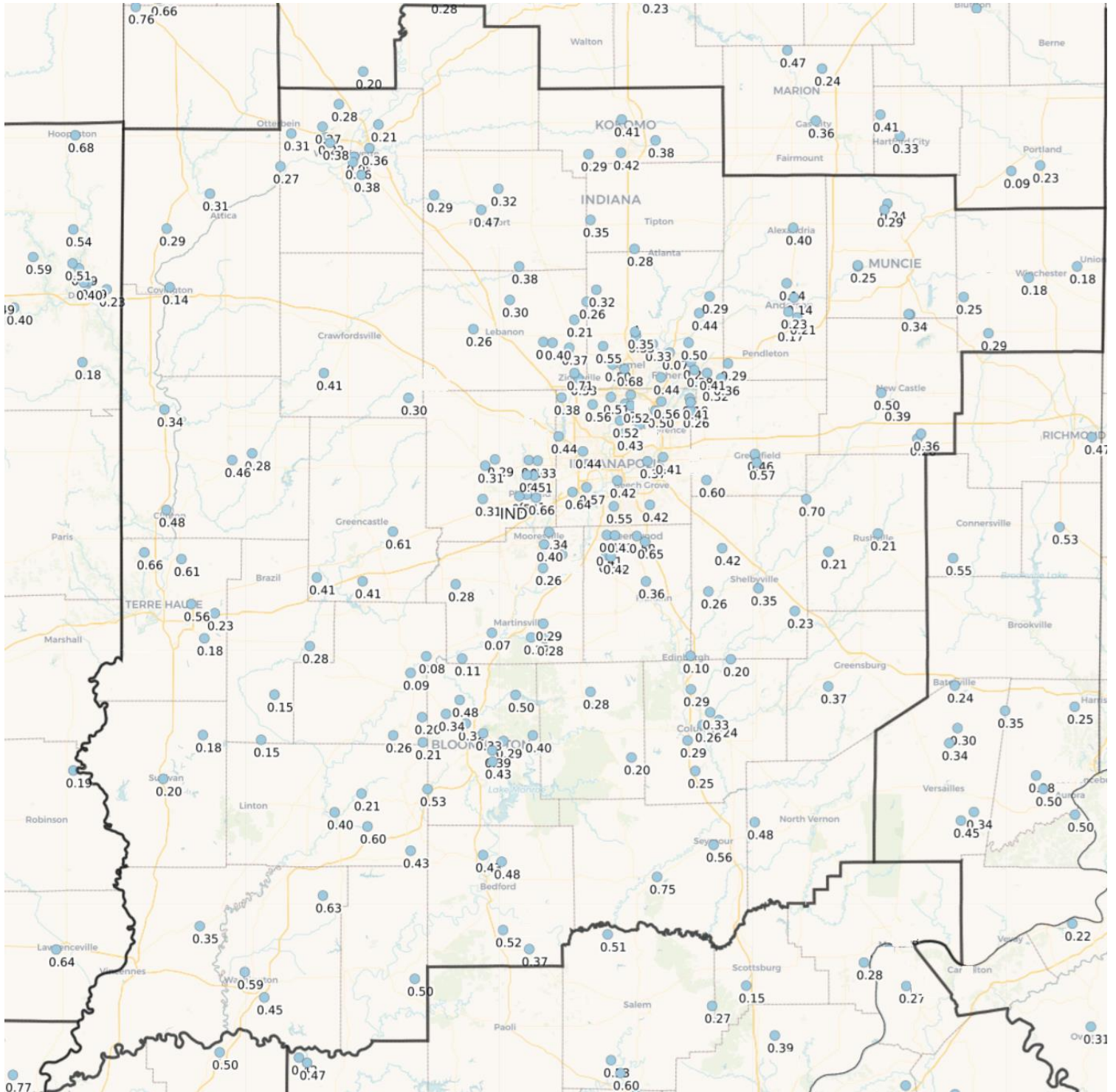
It was the eighth of the last ten Octobers above normal, and the warmest October since 2021.

Precipitation

Site	October 2024 Precipitation	October 2024 Dep from Nml	Wettest Day	Longest Dry Stretch
Indianapolis Intl	0.60	-2.62	0.51 on 31 st	12 days, 2 nd -13 th
Lafayette	0.21	-2.70	0.16 on 31 st	11 days, 1 st -11 th
Muncie	0.28	-2.68	0.15 on 15 th	13 days, 1 st -13 th
Terre Haute	0.33	-3.11	0.32 on 31 st	14 days, 1 st -14 th
Bloomington	0.29	-3.41	0.27 on 31 st	14 days, 1 st -14 th
Shelbyville	0.33	-2.87	0.23 on 31 st	12 days, 2 nd -13 th
Eagle Creek Arpk	0.46	-2.79	0.36 on 31 st	13 days, 1 st -13 th

The below normal trend observed since August 2024 was epitomized, with only a couple days of rain that totaled less than 0.20" for the vast majority of the region through the 30th. The 31st's showers took Indianapolis from the driest October in 154 years to the 8th-driest in less than 2 hours.

October 2024 Total Precipitation, From 10/1/2024 Through 10/31/2024 As Reported by Central Indiana CoCoRaHS Observers



For the period 1200 AM EDT 10/1/2024 -to- 100 AM EDT 11/1/2024, data is unofficial**

October's overall anomalously low precipitation was led at most locations by widespread 0.10-0.60" on the 31st. Prior to this modest relief, record/near-record low rainfall had prevailed across the region, with areas without measurable precipitation through the 30th south and west of Indianapolis, including 0.00" in patches of Clay, Putnam, and Lawrence Counties.

Severe Weather

October 2024's near-record-setting driest first 30 days brought a complete lack of severe weather, which was in contrast to an otherwise active year across central Indiana, with 31 severe weather episodes since late February that included 12 tornadoes.

Instead, Moderate Drought (D1) expanded southward through October, encompassing most areas north and west of the Indianapolis Metro by the October 22nd U.S. Drought Monitor Update. By the October 29th update, D1 had advanced to all but far southern and far eastern central Indiana, while Severe Drought (D2) had expanded southward into ten of the region's northern counties – including all areas northwest of Frankfort and north of Muncie.

For info on severe weather in other areas during October, visit the Storm Prediction Center "Severe Weather Event Summaries" website at spc.noaa.gov/climo/online

November 2024 Outlook

The official outlook for November 2024 from the Climate Prediction Center indicates equal chances of above, below, or near normal temperatures. The normal November temperature at Indianapolis is **43.3** degrees.

The outlook also indicates slightly greater chances of below normal precipitation for the region. The normal November precipitation at Indianapolis is **3.45"**.

*Data prepared by the Indianapolis Weather Forecast Office's State Climate Team
Questions should be referred to nws.indianapolis@noaa.gov*