

Central Indiana

August 2024 Preliminary Climate Summary

39th Warmest August on record at Indianapolis (Tied)

43rd Driest August on record at Indianapolis

Temperatures

Site	August 2024 Average Temp	August 2024 Dep from Nml	Highest Temperature	Lowest Temperature
Indianapolis Int'l Airport	75.3	+0.6	96 on 30 th	54 on 21 st , 22 nd
Lafayette	72.8	+0.6	96 on 27 th	47 on 22nd
Muncie	73.3	-0.4	97 on 30th	47 on 21st, 22nd
Terre Haute	74.7	+1.1	97 on 27th, 30th	47 on 22nd
Bloomington	74.3	+1.0	96 on 30 th	47 on 22nd
Shelbyville	75.2	+1.4	98 on 30th	50 on 22 nd
Eagle Creek Airpark	75.6	+1.2	96 on 30 th	53 on 22 nd , 23 rd

At Indianapolis, August 2024's daily average temperatures were above normal on 17 days, and below normal on 14 days.

Precipitation

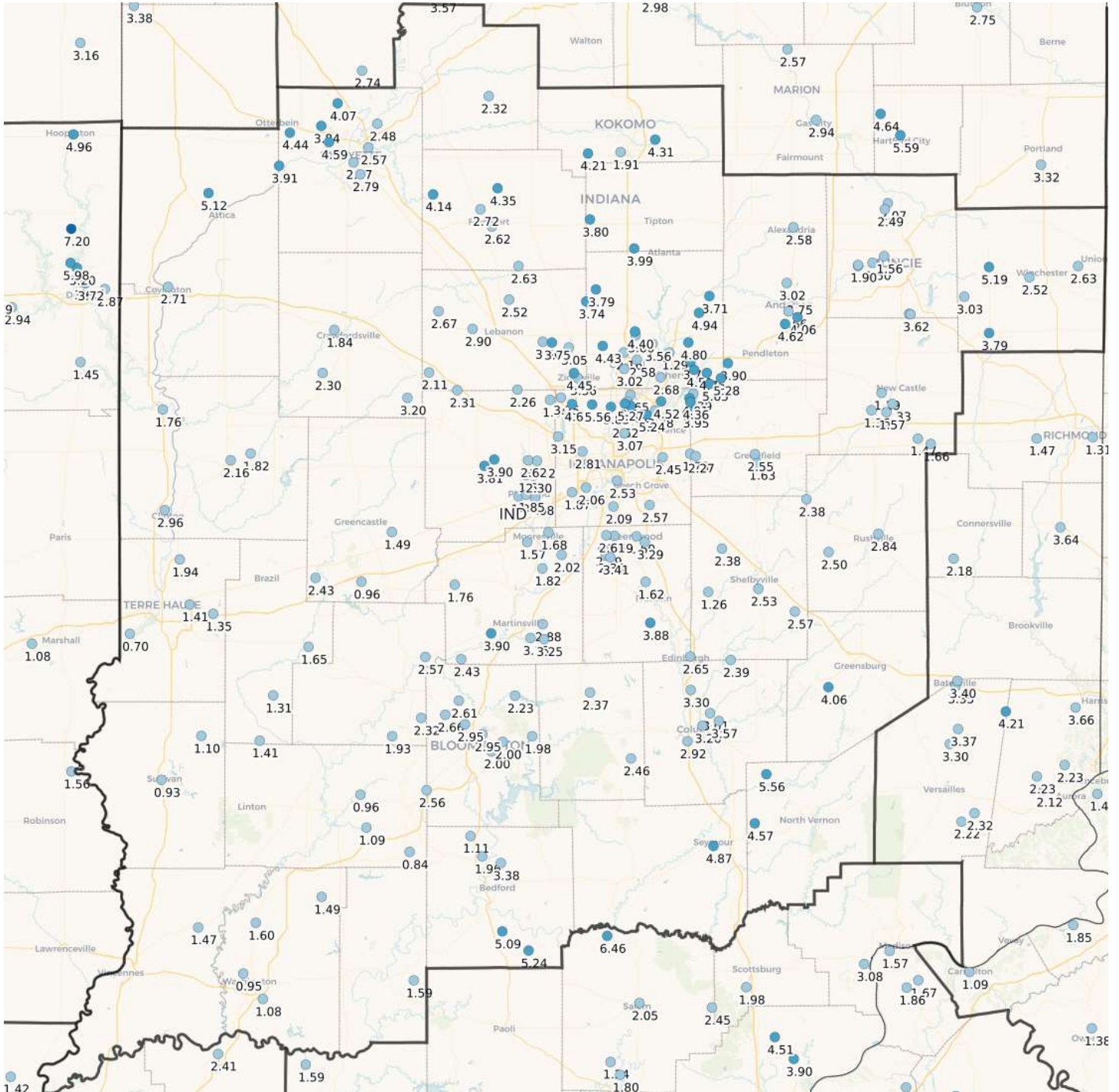
Site	August 2024 Precipitation	August 2024 Dep from Nml	Wettest Day	Longest Dry Stretch
Indianapolis Intl	2.10	-1.10	0.65 on 2 nd	9 days, 19 th -27 th
Lafayette	2.59	-0.53	1.04 on 16 th	8 days, 19 th -26 th
Muncie	1.64	-1.74	0.38 on 16 th , 17 th	11 days, 19 th -29 th
Terre Haute	1.39	-1.60	0.70 on 1 st	7 days, 21 st -27 th
Bloomington	2.33	-1.01	1.64 on 16th	9 days, 19 th -27 th
Shelbyville	4.55	+1.36	2.63 on 1st	10 days, 19 th -28 th
Eagle Creek Arpk	2.79	-0.45	1.16 on 16 th	9 days, 19 th -27 th

Following a wet July, mainly below normal precipitation in August mirrored June's Abnormal Dry conditions, yielding overall near to below normal rainfall for the summer.

It was the fourth of the last five Augusts with below normal rain at Indianapolis.

August 2024 Total Precipitation

As Reported by Central Indiana CoCoRaHS Observers



For the period 700 AM EDT 8/1/2024 -to- 1200 AM EDT 9/1/2024, data is unofficial**

Mainly below normal precipitation (1.00-3.00") was interrupted by heavier downpours on the **1st**, **2nd**, **15th**, and **30th**, which led to above normal totals (mainly **4.00-5.25"**) in scattered areas: west of Lafayette, far southeastern zones, and most locations between downtown Indianapolis and Kokomo.

Severe Weather

Despite an active latter half of June and a persistently stormy final week of July, August 2024's severe events were confined to the month's first few days, which concluded a period with severe weather episodes during six of seven days. August 1st included both a marginally-severe afternoon bow echo that only downed a couple trees across Knox and Daviess Counties, and early evening torrential downpours that produced **flash flooding** across northern portions of the Indianapolis Metro and Henry County. Interstate 465 at Fall Creek was made impassable by floodwaters, while the nearby Castleton 2 S COOP station reported 2.70 inches of rainfall in 1 hour. A non-severe thunderstorms on August 3rd produced a cloud-to-ground lightning strike in Jennings County that struck a tent, injuring two persons.

Despite a very busy spring and early summer, no further tornadoes were reported in Indiana during August. The local region had still recorded 11 tornadoes between March 14th and July 29th, with a much more impressive year-to-date **state total of 49 tornadoes** from events spanning from February 10th to July 30th. This makes for the third-most tornadoes of any recorded year (since 1950), and when coupled with 2023's anomalous state total, the **greatest 2-year tally on record, 103** tornadoes.

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

September 2024 Outlook

The official outlook for September 2024 from the Climate Prediction Center indicates equal chances of above, below, or near normal temperatures. The normal September temperature at Indianapolis is **67.8** degrees.

The outlook also indicates slightly greater chances of below normal precipitation along and north of the Interstate 70 corridor, with equal chances of above, below, or near normal rainfall for points south. The normal September precipitation at Indianapolis is **3.14"**.

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