

Central Indiana

January 2024 Preliminary Climate Summary

71st Mildest January on record at Indianapolis (Tied)

20th Wettest January on record at Indianapolis

57th Least Snowiest January on record at Indianapolis (Tied)

Temperatures

Site	January 2024 Avg Temp	January 2024 Dep from Nml	Highest Temperature	Lowest Temperature
Indianapolis Int'l Airport	29.0	+0.5	53 on 24 th , 25 th	-6 on 15 th
Lafayette	27.2	+1.4	49 on 24 th	-9 on 15 th , 21 st
Muncie	29.5	+0.9	56 on 12 th	-5 on 15 th
Terre Haute	28.9	+0.1	54 on 24 th	-6 on 21 st
Bloomington	29.7	-0.6	56 on 24 th , 25 th	-5 on 21 st
Shelbyville	31.5	+1.8	56 on 25 th , 26 th	-4 on 21 st
Eagle Creek Airpark	29.8	+1.0	54 on 24 th	-4 on 15 th

Indianapolis' average daily temperatures were above normal on 19 days, below normal on 8 days and at normal on 4 days. An overall moderating trend was seen compared to very mild conditions in both January 2023 and December 2023.

Precipitation

Site	January 2024 Precipitation	January 2024 Dep from Nml	Wettest Day	Longest Dry Stretch
Indianapolis Intl	4.92	+1.80	1.22 on 9 th	2 days, 4 th -5 th
Lafayette	4.89	+2.70	0.94 on 9 th	4 days, 2 nd -5 th
Muncie	3.43	+0.91	1.07 on 9 th	4 days, 2 nd -5 th
Terre Haute	4.87	+2.27	1.31 on 9 th	3 days, 2 nd -4 th
Bloomington	4.93	+1.55	1.10 on 9 th	5 days, 1 st -5 th
Shelbyville	4.61	+1.56	1.29 on 9 th	4 days, 2 nd -5 th
Eagle Creek Arpk	5.09	+2.50	1.23 on 9 th	4 days, 2 nd -5 th

Indianapolis recorded above normal precipitation for the first time in 6 months, with the greatest departure above normal since March 2023; the preceding August-December 2023 period totaled only 9.23". Indianapolis' 4.1" of snowfall tied January 2023's total, for the 3rd most January snowfall of the last ten years.

Severe Weather

No severe weather occurred within central Indiana during January 2024, excepting Shelbyville's **61 mph** gust on the 12th from gradient winds.

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

Miscellaneous – Winds, Fog, Thunder & More

Strongest wind gusts were recorded on the 12th-13th as a very deep storm departed the Midwest and strong arctic air built into Indiana; the 12th was the overall windiest day with **61 mph** observed at Shelbyville while most 1st-order sites reporting 46-49 mph; although Indianapolis' peak gust for the month was 47 mph on the 13th. Past 41 mph on the 9th at Bloomington and 40 mph on the 10th at Indianapolis, no other peak gusts exceeded 39 mph outside of the 12th-14th.

Fog frequency ranged from 18 days at eastern 1st-order airports to 22 days at Terre Haute, while fog occurred on 20 days at Indianapolis; all locations reported fog on the **6-7th, 12th, 19th, 23-28th, and 30th**. Dense fog ranged from 2 days at Muncie to 4 days at Marion County sites and Lafayette; and was prevalent during the **23rd-25th** as milder air flowed over snow-covered and/or very cold ground.

Thunder was not reported at any 1st-order airports during January.

February 2024 Outlook

The official outlook for February 2024 from the Climate Prediction Center indicates slightly greater chances of above normal temperatures across most of the region ... with greater confidence in above normal temperatures along the upper Wabash Valley. The normal February temperature at Indianapolis is **32.5** degrees.

The outlook also indicates slightly greater chances of below normal precipitation for the region. The normal February precipitation at Indianapolis is **2.43"** with **6.0"** of snowfall.

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