



July 2024

July 2024 was slightly warmer, wetter and sunnier in Germany than the long-term monthly averages of the international climatological reference period 1961-1990 and 1991-2020. With July 2024, 22 months in a row have been warmer than the long-term average 1961-1990 since October 2022. The temperatures at the beginning of the month were somewhat moderate compared to the summer months of recent years. But already at the end of the first decade of the month, some hot days ($T_{\max} \geq 30 \text{ °C}$) were reported. The highest temperature so far this year was observed on July 30 at the Müllheim station at 35.4 °C . We have so far been spared from long-lasting heat waves this year. Severe thunderstorms with heavy rainfall were recorded again and again throughout the month. While in parts of Brandenburg the precipitation target was exceeded by 100% (long-term average 1961-1990), in parts of Saxony there was a precipitation deficit of 40% or more. In the east the sun shone for over 250 hours.

The regional average temperature for Germany was 18.8 °C . This is 0.5 K more than the long-term average of the climate normal period 1991-2020 and 1.9 K more than the reference period 1961-1990. This makes July 2024 the 20th warmest July month since 1881, along with 1904, in the time series.

The average monthly rainfall in Germany was 89.2 mm . This is 2.1 mm or 2.4% more than the average for the period 1991-2020 and 11.7 mm or 15.1% more than in the reference period 1961-1990. July 2024 was thus the 67th wettest July in Germany since 1881 together with 1915.

The regional average sunshine duration was 236.5 hours . That is 10.8 hours or 4.8% more than in the comparable period 1991-2020 and 25.7 hours or 12.2% more than the average for the years 1961-1990. This makes July 2024 the 26th sunniest July month since 1951, among the somewhat sunniest July months.

more reports

The German Weather Service is a federal authority within the portfolio of the Federal Ministry for Digital Affairs and Transport.

German Weather Service, Frankfurter Strasse 135, 63067 Offenbach