

Israel: June 2024 – warmest on record

June 2024 was extremely warm in Israel and ranks as the warmest June on record. The mean daily temperature was 3-4°C above average (1991-2020), making it the hottest June in the nationwide series of temperature measurements since 1950. It was more than 1°C warmer than the previous record set in 2016 and more than 2°C above the next warmest year, 2012.

June was also the warmest ever at long-running stations like Jerusalem, Be'er Sheva and Beit Jimal, where measurements have been taking place for about a hundred years or more.

Additionally, June 2024 was unusually warm compared to all summer months (June to September) - on a nationwide average there were only five summer months in the past 75 years that were similar or warmer than it (Aug. 2010, Aug. 2015, July 2017, Sep. 2020 and Aug. 2021).

During the month of June 2024 there were several heat waves, two of them (June 2-3 and 13-15) had outstanding temperatures: 44-47°C in the Jordan Valley and the Arava (southern Israel), 42-44°C in the Northern Valleys and 37-39°C in the mountain areas (Jerusalem). Absolute maximum daily temperature records were broken at several stations, including Gilgal (Jordan Valley), which measured 48.1°C on June 3 and on June 15, breaking the June record of 47.5°C set in 2002.

The anomaly of the average daily temperature in Israel* for June 1950-2024
compared to the 1991-2020 average

