

National Centers for Environmental Information

Assessing the Global Climate in April 2022

Month tied as the fifth-warmest April on record for the globe



The global surface temperature for April 2022 tied with 2010 as the fifth highest for April in the 143-year NOAA record, which dates back to 1880. The year-to-date (January-April) global surface temperature was also the fifth warmest such period on record. According to NCEI's Global Annual Temperature Rankings Outlook, it is virtually certain (> 99.0%) that the year 2022 will rank among the 10 warmest years on record.

Related Links

April 2022 Global Climate Report

Temperature Percentiles Explained

Climate at a Glance

Precipitation Percentiles Explained

Global Temperature and Precipitation Maps

State of the Climate Summaries

Selected Significant Climate Anomalies and Events: April 2022 GLOBAL AVERAGE TEMPERATURE April 2022 average global surface temperature tied with 2010 as the fifth-warmest April since global records began in 1880 The April 2022 Arctic sea ice extent was 4.3% below the 1981-2010 average and the 11th-smallest April sea ice extent on record NORTH AMERICA Despite having a warmer-than-average April, it didn't rank among the 20 warmest North America had its coldest April since 2018. Record-warm April temperatures were present Aprils on record. across much of southern Asia. Averaged as a whole, Asia had its warmest April on record. PAKES IAN AND INDIA Unusually high temperatures affected India and Pakistan during the end of April. Several locations set new monthly temperature records. CONTIGUOUS U.S. AFRICA Dry, warm and windy conditions contributed to wildfires across the Southwest. Africa's April temperature tied with 2003 as the ninth-warmest April on record. COLOMBIA Several heavy rain events occurred throughout the month, triggering devastating landslides and dangerous floods. TROPICAL STORM MEGI SOUTH AFRICA Megi brought strong winds and heavy rain Record-breaking rain fell across parts of eastern South Africa April 9-13. The heavy rain produced floods that to parts of the Philippines, which triggered adly landslides. destroyed homes, bridges and roads. SOUTH AMERICA April 2022 was South America's 12th-warmest **AUSTRALIA** Australia had its seventh-warmest GLOBAL CYCLONE ACTIVITY April 2022 had above-average cyclone activity for the globe, with a total of five named storms. April on record New Zealand had a dry and warm April. The nation had its warmest April since 2006 and several locations had their driest April on record. ANTARCTIC SEA ICE EXTENT The Antarctic sea ice extent for April 2022 was 14.7% below average and tied with 1981 as the fourth-smallest April extent on record.

Please note: Material provided in this map was compiled from NOAA's State of the Climate Reports. For more information please visit: http://www.ncdc.noaa.gov/sotc

NOAA's National Centers for Environmental Information calculates the global temperature anomaly every month based on preliminary data generated from authoritative datasets of temperature observations from around the globe. The major dataset, **NOAAGlobalTemp version 5**, updated in mid-2019, uses comprehensive data collections of increased global area coverage over both <u>land</u> and <u>ocean</u> surfaces. NOAAGlobalTempv5 is a reconstructed dataset, meaning that the entire period of record is recalculated each month with new data. Based on those new calculations, the new historical data can bring about updates to previously reported values. These factors, together, mean that calculations from the past may be superseded by the most recent data and can affect the numbers reported in the monthly climate reports. The most current reconstruction analysis is always considered the most representative and precise of the climate system, and it is publicly available through <u>Climate</u> at a Glance.

NOAA's Report continues at LINK: https://www.ncei.noaa.gov/access/monitoring/monthly-report/global/202204

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