

Please note: Beginning 8/22, NCEI will be upgrading its systems, which will temporarily interrupt access to some services. The upgrade is expected to take several weeks. We apologize for the inconvenience. More details and affected products

Global Temperatures
Regional Temperatures

Report: Global Climate Report
Precipitation

Year: 2023 Month: Annual View

References

Global Climate Report

Annual 2023

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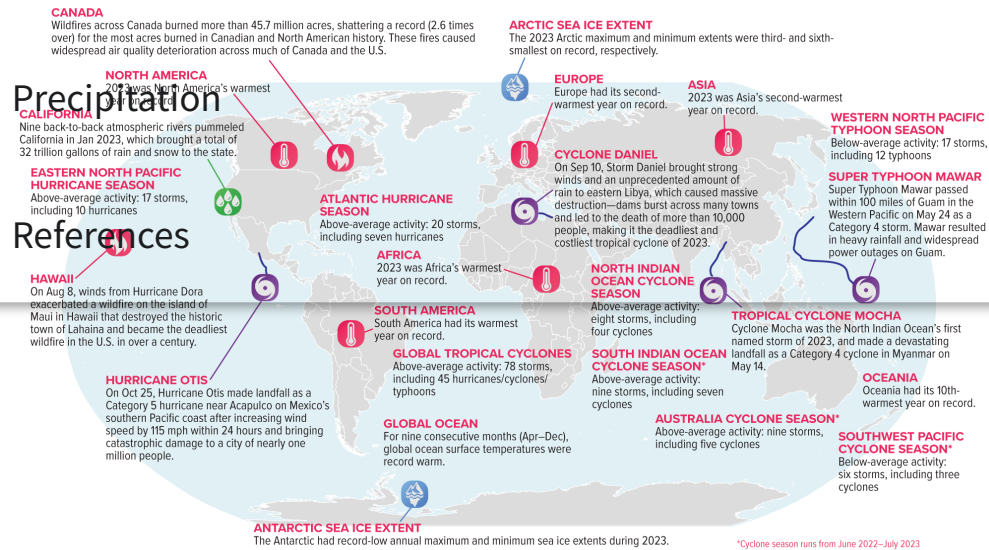
Additional Resources

Global Temperatures

Selected Significant Climate Anomalies and Events: Annual 2023

Regional Temperatures

From Jan. to Dec. 2023, average global surface temperature was the highest since global records began in 1850.



Please note: Material provided in this map was compiled from NOAA's State of the Climate Reports. For more information please visit: <https://www.ncdc.noaa.gov/access/monitoring/monthly-report/global/>

Global Temperatures

The year 2023 was the warmest year since global records began in 1850 at 1.18°C (2.12°F) above the 20th century average of 13.9°C (57.0°F). This value is 0.15°C (0.27°F) more than the previous record set in 2016. The 10 warmest years in the 174-year record have all occurred during the last decade (2014–2023). Of note, the year 2005, which was the first year to set a new global temperature record in the 21st century, is now the 12th-warmest year on record. The year 2010, which had surpassed 2005 at the time, now ranks as the 11th-warmest year on record.