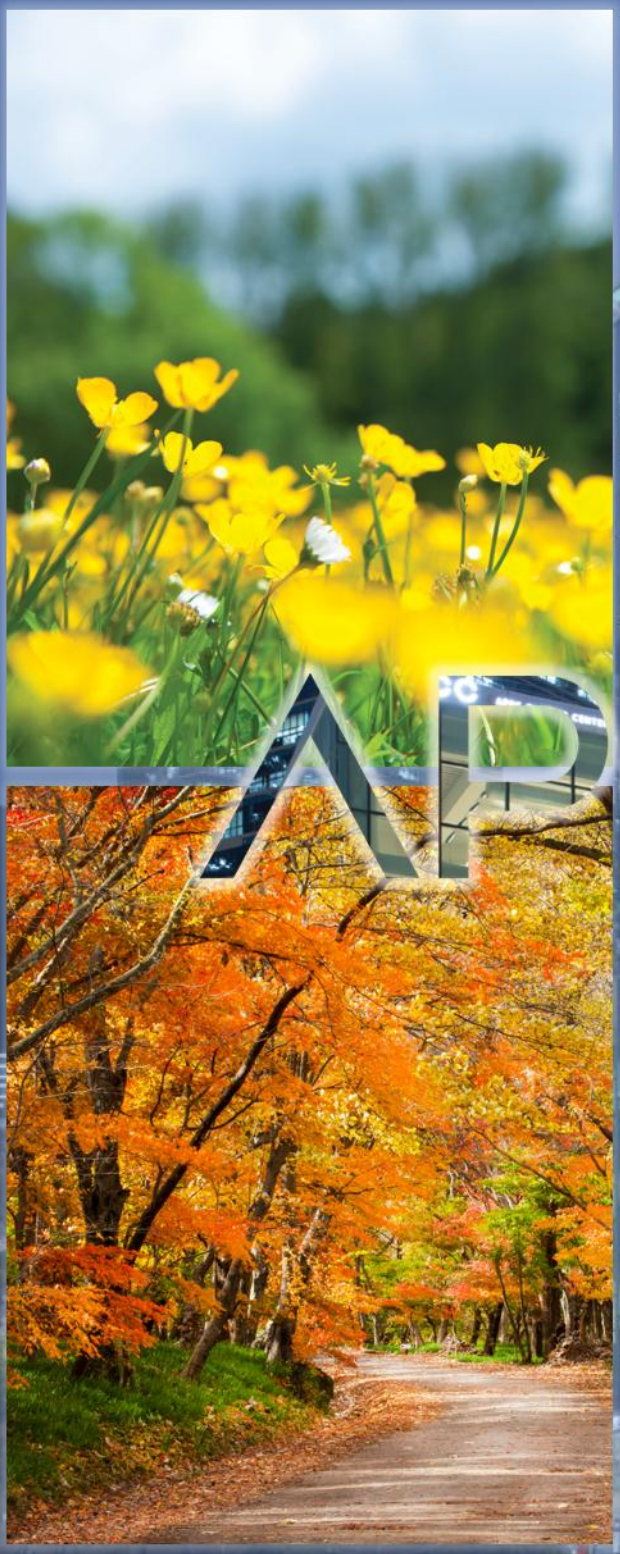
APCC
APEC CLIMATE CENTER

Climate Outlook

Issued: 15 May 2026



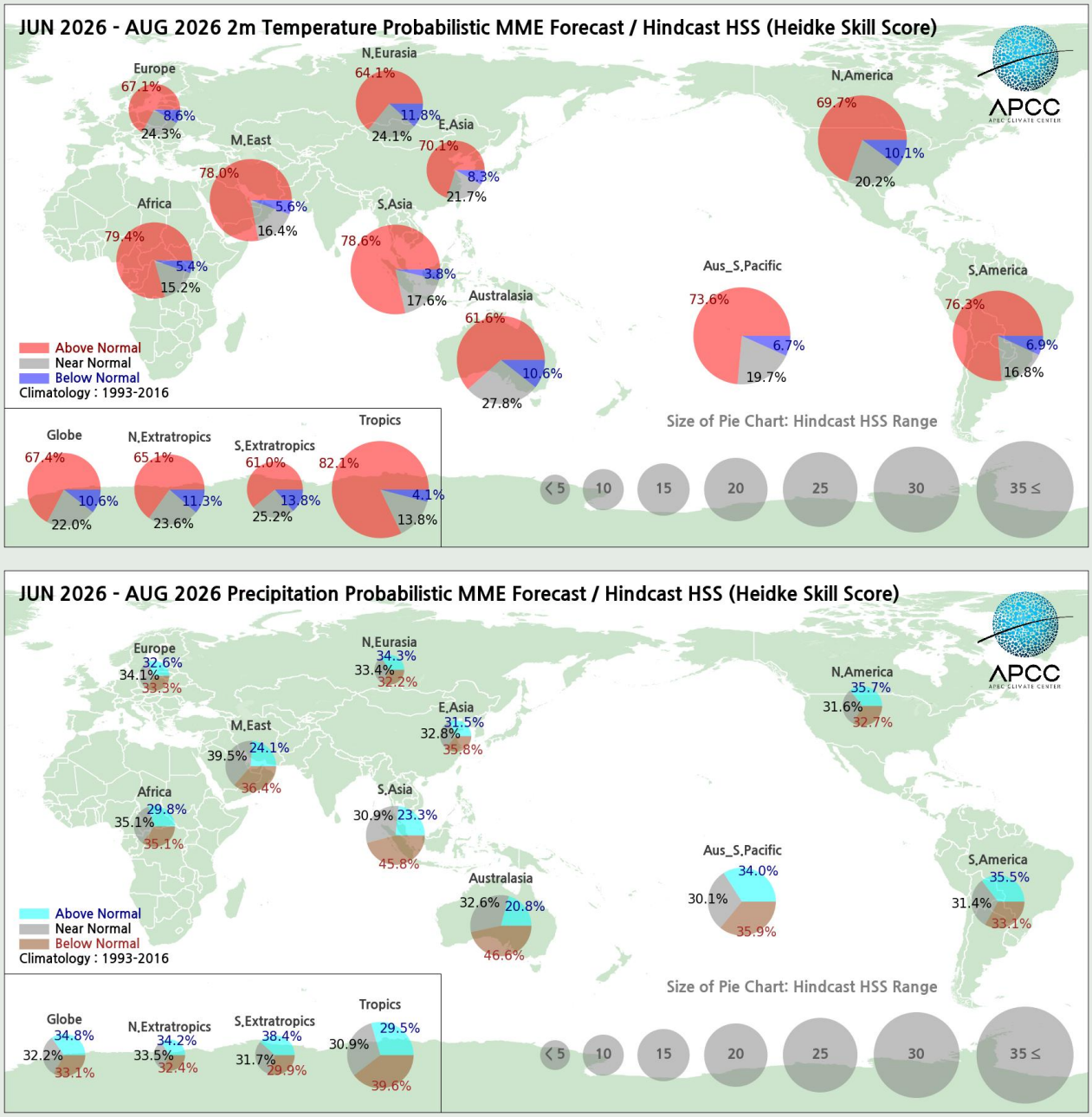
APEC Climate Center

12 Centum 7-ro, Haeundae-gu, Busan, 48058, Republic of Korea

Tel: +82 51 745 3900 Fax: +82 51 745 3949, www.apcc21.org

June - August 2026

- ***The APCC ENSO Alert suggests "El Nino". El Nino will be developing in the coming seasons.***
- ***Above normal temperatures is mostly probable for the most of the globe except for some parts of south Pacific.***
- ***Above normal precipitation is predicted for the tropical central and eastern Pacific. Below normal precipitation is predicted for the Eastern Africa, southwestern Indian ocean, Maritime continents, off-equatorial south Pacific for June— August 2026. During August — October, above normal precipitation is expected for the equatorial Pacific and equatorial western Indian ocean, East Africa. Below normal precipitation is expected for the Maritime Continents, Indian subcontinent, tropical western north Pacific, subtropical south Indian Ocean, the Caribbean, the Central America, and northern part of the South America.***

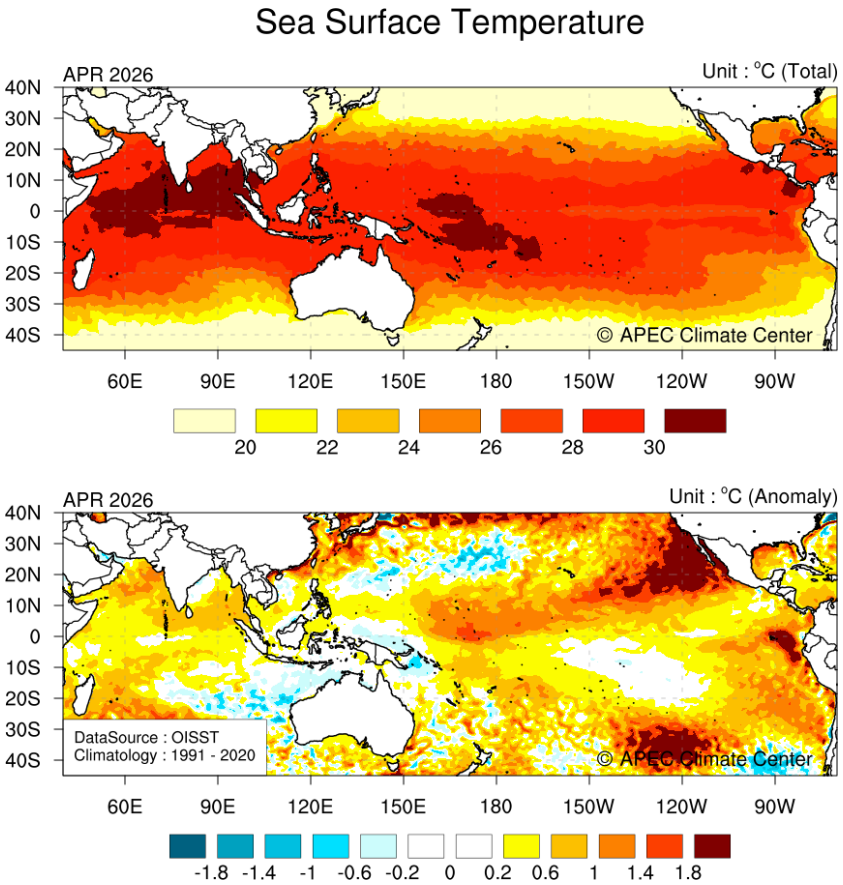


Summary of probabilistic MME forecasts of 2m temperature (top) and precipitation (bottom) and hindcast skill scores for June - August 2026.

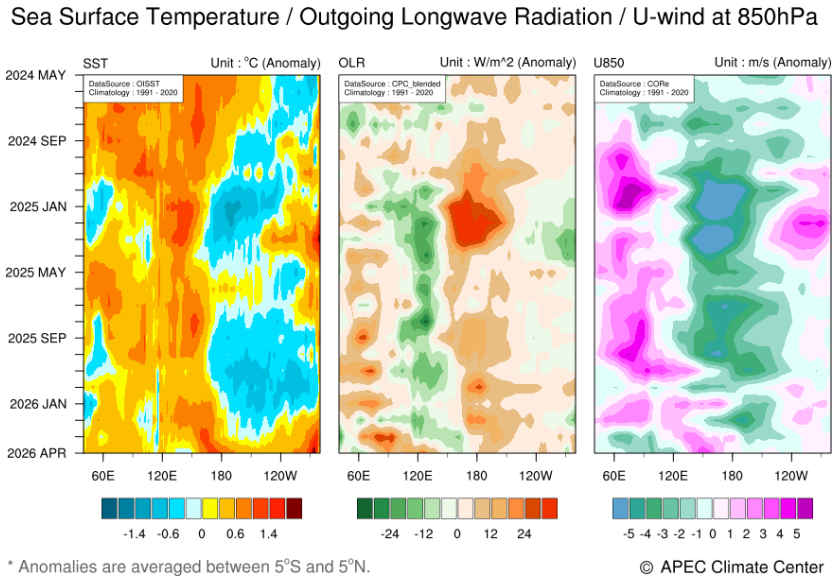
The information for September - November 2026 is available at http://www.apcc21.org/prediction/global/outlook?lang=en.

Current Climate Conditions

- In April 2026, positive sea surface temperature (SST) anomalies at the western-central equatorial Pacific and eastern equatorial Pacific were developed.
- At the equator, the area of cold SST anomaly over the central Pacific was disappeared. The westerly wind anomalies were developed at the western Pacific and positive SST anomalies were also developed at the west of the dateline. Whereas the warm SST anomaly at the far eastern Pacific continued to develop.
- Positive monthly mean temperature anomalies were observed over the Greenland to western Arctic region, southwestern Europe, central Asia, most of East and Southeast Asia, Australia, USA, central South America. Below normal temperature anomalies were observed at the eastern Europe, central north Africa, Siberia, Canada.
- Above normal precipitation was observed over western Russia, West Asia, central to south Africa, some parts of south Asia and southern China and Japan, northeastern USA, central south America. Below normal precipitation was observed over western Europe, central Africa, southeast Asia and western pacific, southwestern USA and northern south America.

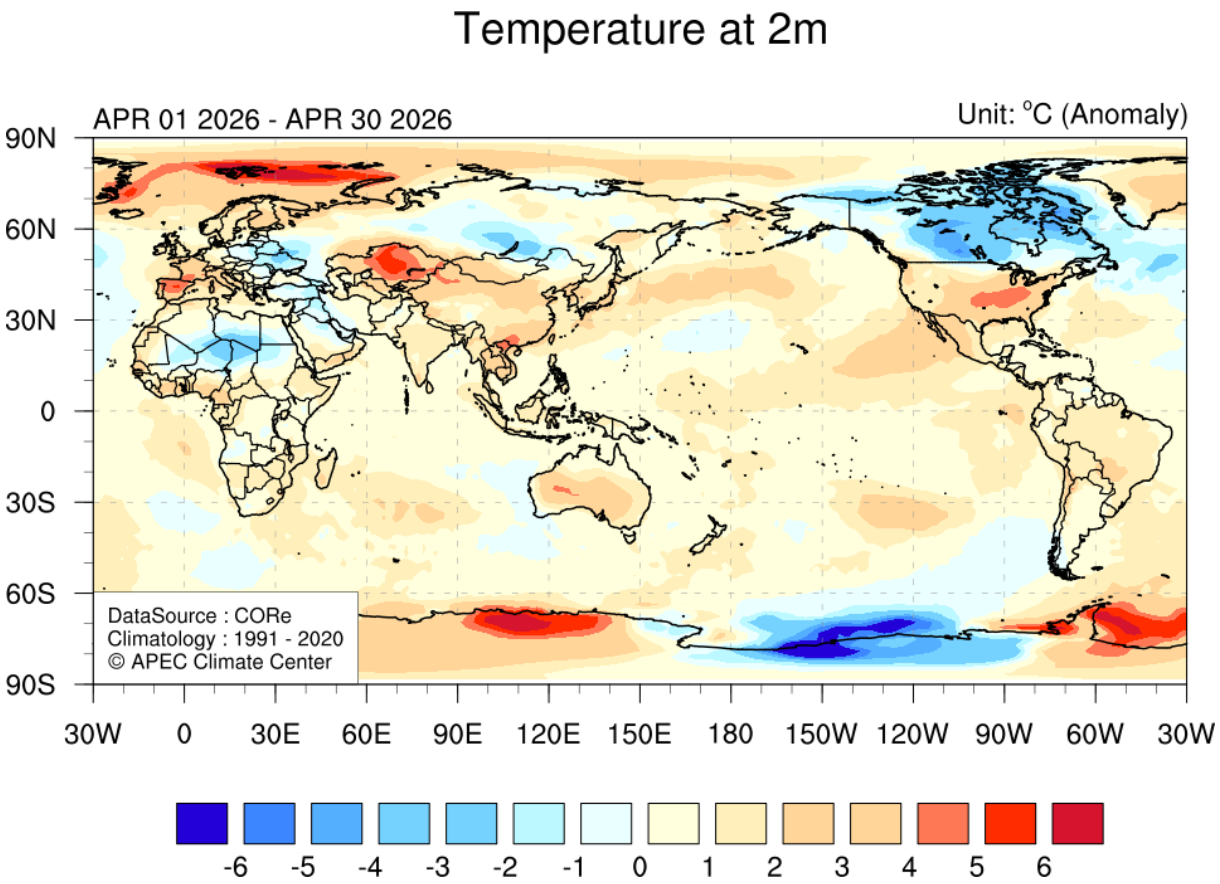


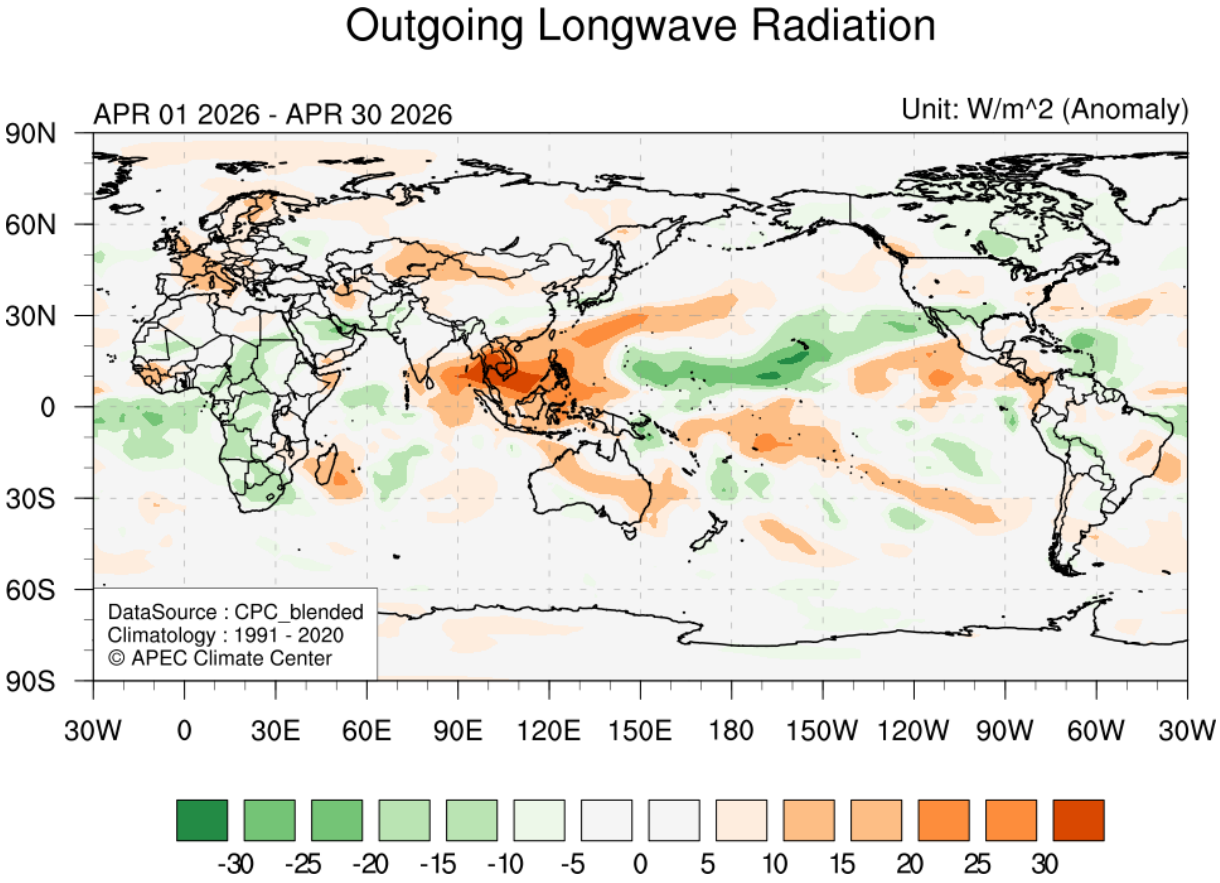
The observed sea surface temperatures (SSTs; top) and anomalies (bottom) for April 2026



Time-longitude cross section of the observed sea surface temperature (SST), outgoing longwave radiation (OLR), and zonal wind at 850hPa (U850) anomalies along the equator (5°S-5°N) in the Indian and Pacific Oceans (40°E-80°W) for May 2024 - April 2026.

Current Climate Conditions

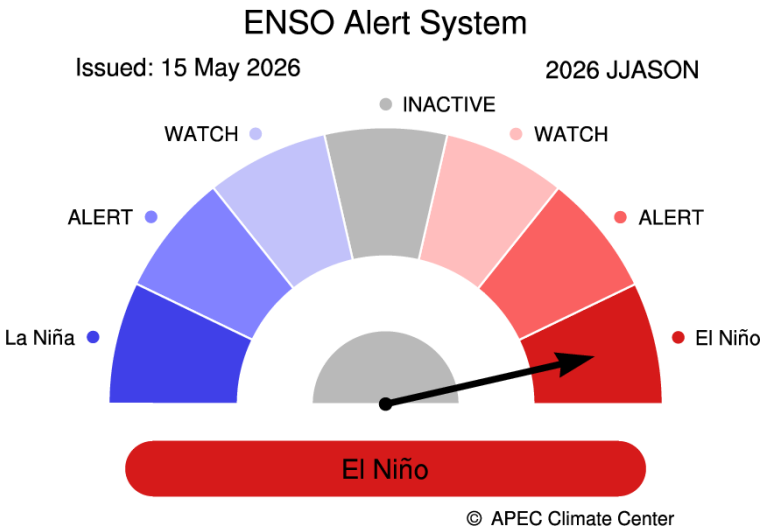




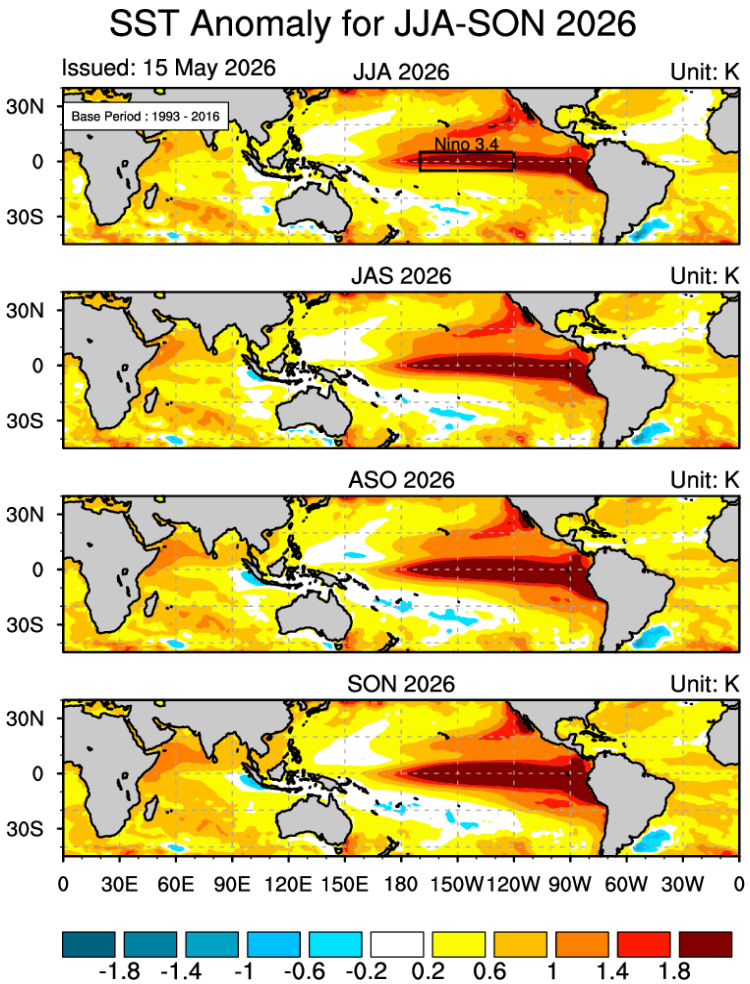
The observed 2m temperatures (top) and OLR anomalies (bottom) for April 2026.

June - November 2026

- The APCC ENSO outlook suggests “El Nino”.
- Positive SST anomalies are expected along the equator for June– November 2026 with clear indication of developing El Nino.
- Niño3.4 index is expected to be 1.34 ℃ for June 2026 and then increase up to 2.78 ℃ by November 2026.
- El Nino is the most probable with 99% of chance during the whole forecast period.

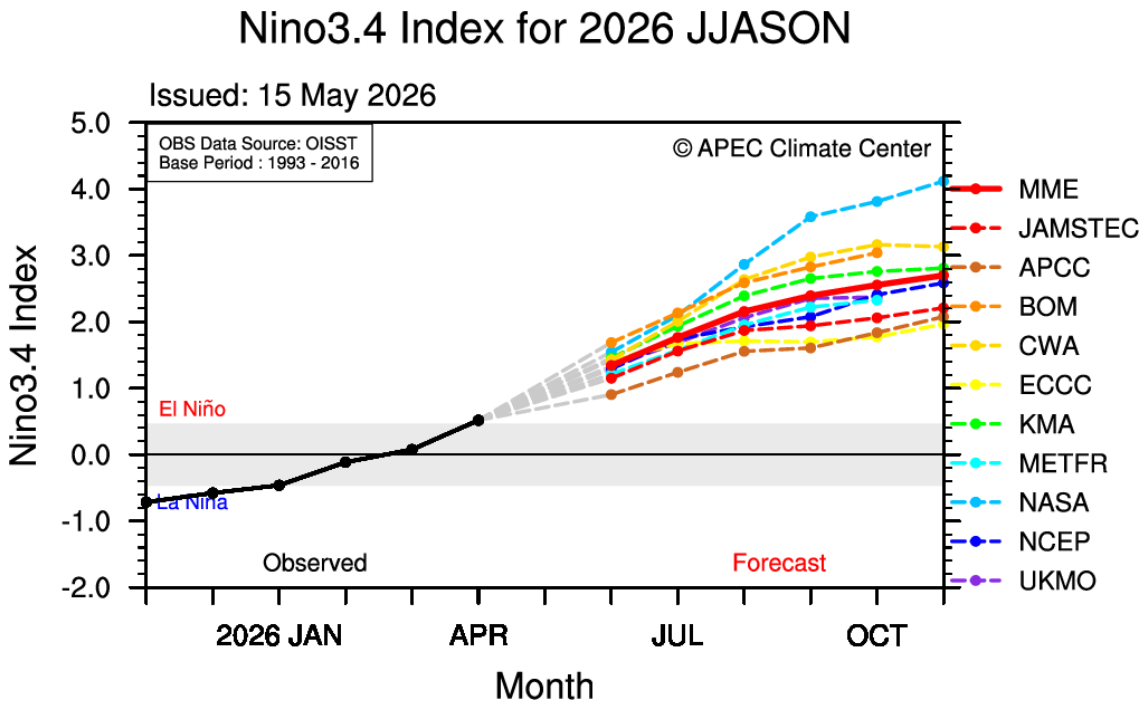


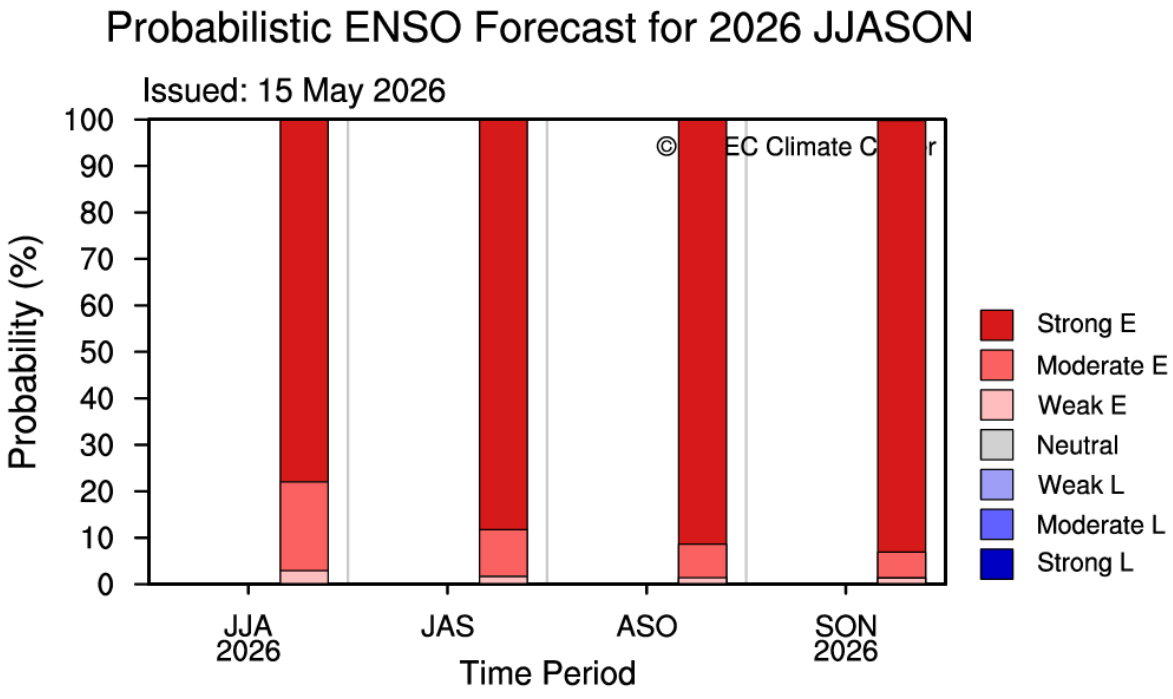
The APCC ENSO Alert status for June - November 2026. Anomalies are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction. Observed data used for the recent three months is the Optimum Interpolation Sea Surface Temperature (OISST).
Effective from April 2022, ENSO alert information will be updated twice (around the 15th and 30th) each month to reflect the latest observation.



Multi-model ensemble (MME) forecasts of SST anomalies for June - November 2026. Anomalies are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

June - November 2026





* ENSO Intensity based on 3M Mean Nino3.4 SST Anomaly (Category Boundaries: +/-1.5, 1.0, 0.5°C)

Predicted Niño3.4 index from individual models and the MME for June - November 2026 (top). Probabilistic MME forecasts of the status and intensity based on Niño3.4 index for four overlapping 3-month mean periods (bottom). Anomalies are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

June - August 2026

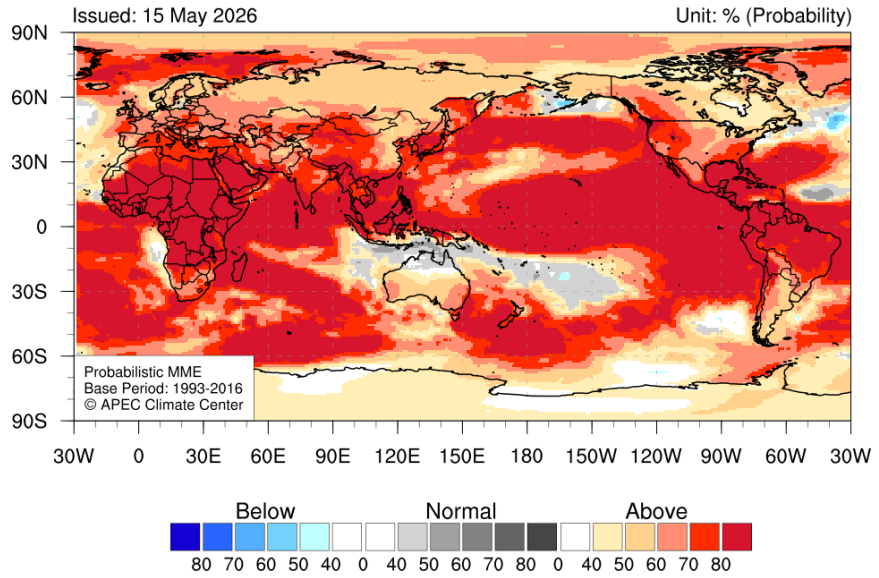
Temperature

- Strongly enhanced probability for above normal temperatures is predicted for the **northeastern Atlantic, Mediterranean, most of African continent, northern Indian Ocean and Arabian peninsula, South and East Asia, extratropical north Pacific, tropical Pacific, western USA and western Canada, Caribbean, subtropical North Atlantic, southeastern South Pacific and northern South America.** Enhanced probability for above normal temperatures is expected for **Europe, Arctic sea, Greenland, Central Asia, eastern USA, central Canada, southern South America, southern Australia.** A tendency for above normal temperatures is expected for **eastern Canada.**
- A tendency for normal temperature is expected over **the central subtropical south Pacific, Coral sea and northern Australia, and tropical north Atlantic.**
- Enhanced probability for below normal temperatures is predicted for **a part of north Atlantic**.

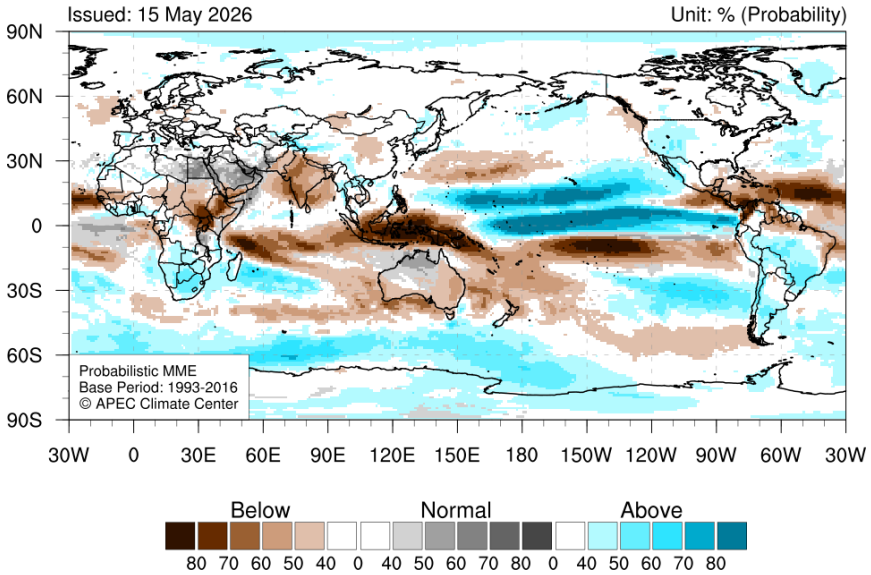
Precipitation

- Strongly enhanced probability for above normal precipitation is predicted for **equatorial Pacific and off-equatorial North Pacific.** Enhanced probability for above normal precipitation is predicted for **southeastern Pacific and southern Indian Ocean.** A tendency for above normal precipitation is expected for **southern Africa, western USA, central South America.**
- Enhanced probability for near normal precipitation is predicted for **the eastern equatorial Atlantic, northwestern Africa and Arabian peninsula, northern Australia.**
- Strongly enhanced probability for below normal precipitation is predicted for **the central off-equatorial South Pacific and Maritime continents and southwestern tropical Indian Ocean, East Africa, tropical north Atlantic, central America and northern edge of South America.** Enhanced probability for below normal precipitation is expected for **India, western north Pacific and tropical southwestern Pacific.** A tendency for below normal precipitation is predicted for **the central China and western Australia**

Temperature at 2m for June-August 2026



Precipitation for June-August 2026



Probabilistic MME forecasts of 2m temperature (top) and precipitation (bottom) for June - August 2026. Normal conditions are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

Temperature		Precipitation
70% < probability	Strongly enhanced probability for above normal temperatures/precipitation	70% < probability
50% < probability < 70%	Enhanced probability for above normal temperatures/precipitation	50% < probability < 70%
40% < probability < 50%	A tendency for above normal temperatures/precipitation	40% < probability < 50%
70% < probability	Strongly enhanced probability for near normal temperatures/precipitation	70% < probability
50% < probability < 70%	Enhanced probability for near normal temperatures/precipitation	50% < probability < 70%
40% < probability < 50%	A tendency for near normal temperatures/precipitation	40% < probability < 50%
70% < probability	Strongly enhanced probability for below normal temperatures/precipitation	70% < probability
50% < probability < 70%	Enhanced probability for below normal temperatures/precipitation	50% < probability < 70%
40% < probability < 50%	A tendency for below normal temperatures/precipitation	40% < probability < 50%

Probabilistic MME forecasts of APCC is described as above

September - November 2026

Temperature

- Strongly enhanced probability for above normal temperatures is predicted for **the Arctic sea, northern Atlantic, Mediterranean, Africa, Indian Ocean, West and South Asia, Southeast Asia, East Asia, North Pacific, Tropical Pacific, southern Australia, subtropical North Atlantic, southern Mexico, Caribbean, central America and northern South America.** Enhanced probability for above normal temperatures is expected for the **northern Europe, central Russia, northern Australia, North America, southern South America.**

- Enhanced probability for below normal temperatures is predicted for **subtropical south Pacific and parts of north and south Atlantic**.

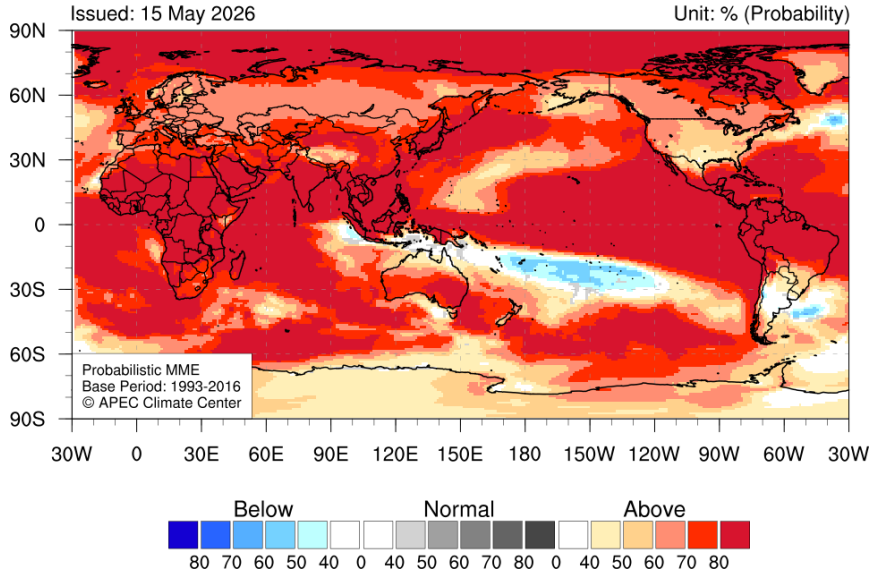
Precipitation

- Strongly enhanced probability for above normal precipitation is predicted for **Equatorial Pacific, Western equatorial Indian ocean and Great horn of Africa. Southeastern South America.** Enhanced probability for above normal precipitation is predicted for **Arctic sea, tropical north Pacific, and West Asia, Mexico and southern USA.** A tendency for above normal precipitation is predicted for **western to central North Africa, East Asia, central to eastern USA, eastern South Pacific.**

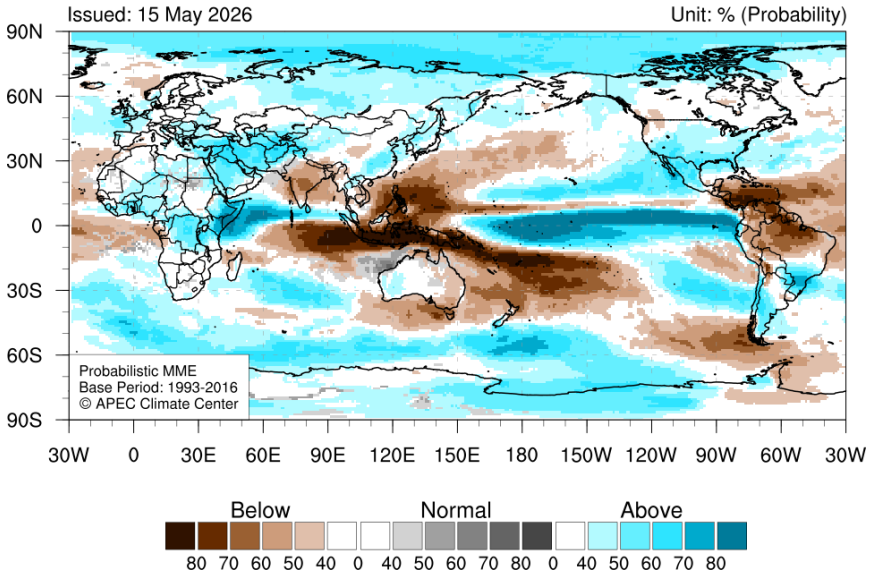
- Enhanced probability for near normal precipitation is predicted for **northern Australia.**

- Strongly enhanced probability for below normal precipitation is predicted for **Maritime Continents, southern subtropical Indian Ocean, southwestern Pacific, Caribbean, Central America, and northern part and southern tip of South America.** Enhanced probability for below normal precipitation is predicted for **the Indian subcontinent, tropical Atlantic.** A tendency for below normal precipitation is predicted for **subtropical western north Pacific.**

Temperature at 2m for September-November 2026



Precipitation for September-November 2026



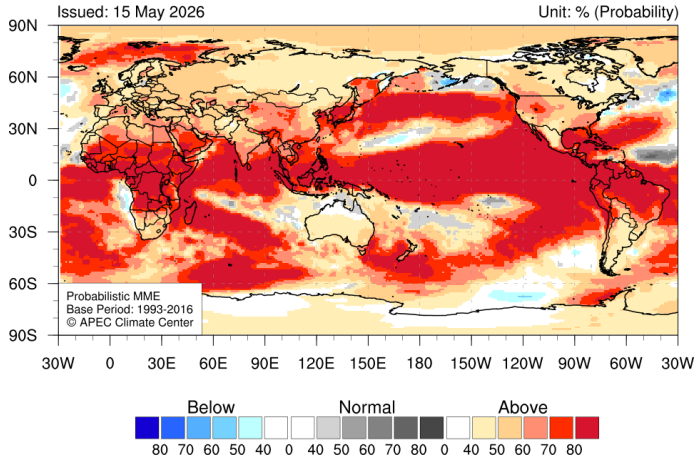
Probabilistic MME forecasts of 2m temperature (top) and precipitation (bottom) for September - November 2026. Normal conditions are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

Temperature		Precipitation
70% < probability	Strongly enhanced probability for above normal temperatures/precipitation	70% < probability
50% < probability < 70%	Enhanced probability for above normal temperatures/precipitation	50% < probability < 70%
40% < probability < 50%	A tendency for above normal temperatures/precipitation	40% < probability < 50%
70% < probability	Strongly enhanced probability for near normal temperatures/precipitation	70% < probability
50% < probability < 70%	Enhanced probability for near normal temperatures/precipitation	50% < probability < 70%
40% < probability < 50%	A tendency for near normal temperatures/precipitation	40% < probability < 50%
70% < probability	Strongly enhanced probability for below normal temperatures/precipitation	70% < probability
50% < probability < 70%	Enhanced probability for below normal temperatures/precipitation	50% < probability < 70%
40% < probability < 50%	A tendency for below normal temperatures/precipitation	40% < probability < 50%

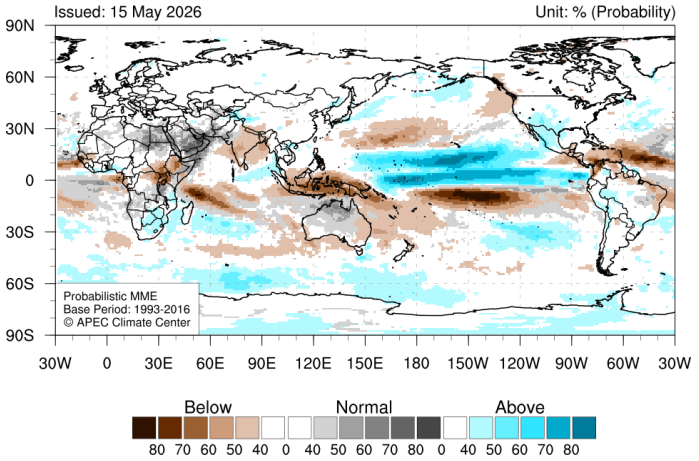
Probabilistic MME forecasts of APCC is described as above

June - August 2026

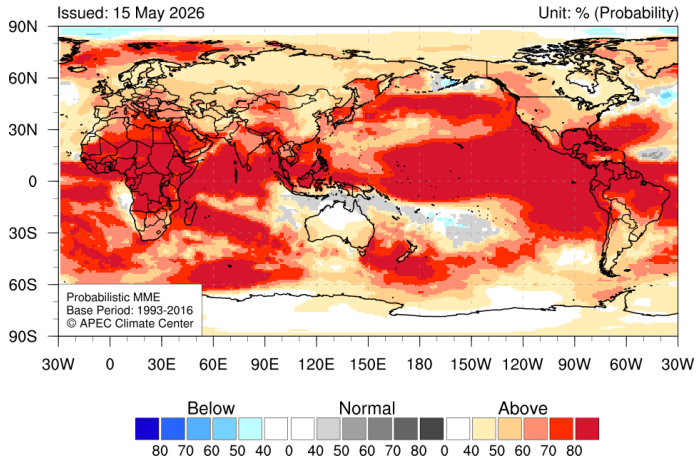
Temperature at 2m for June 2026



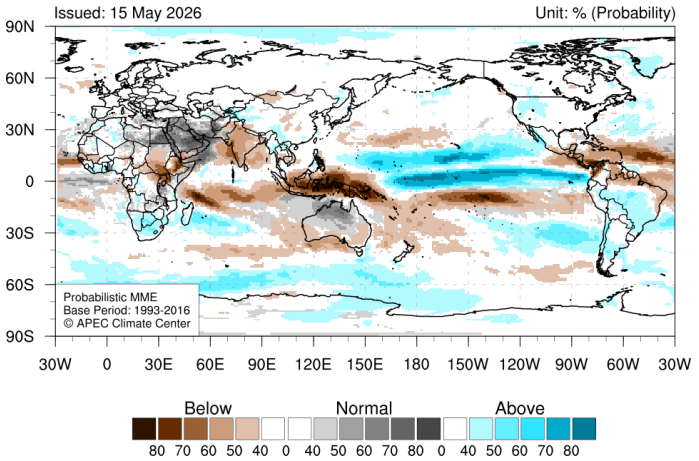
Precipitation for June 2026



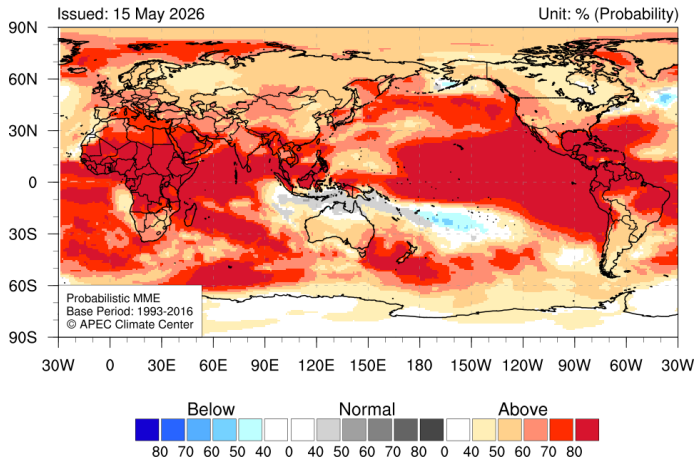
Temperature at 2m for July 2026



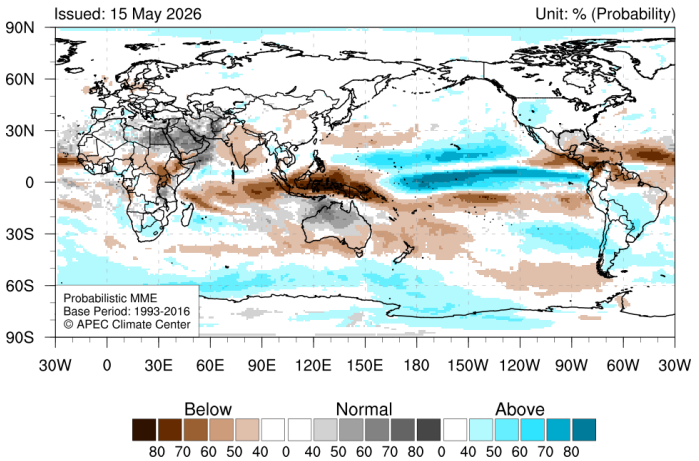
Precipitation for July 2026



Temperature at 2m for August 2026



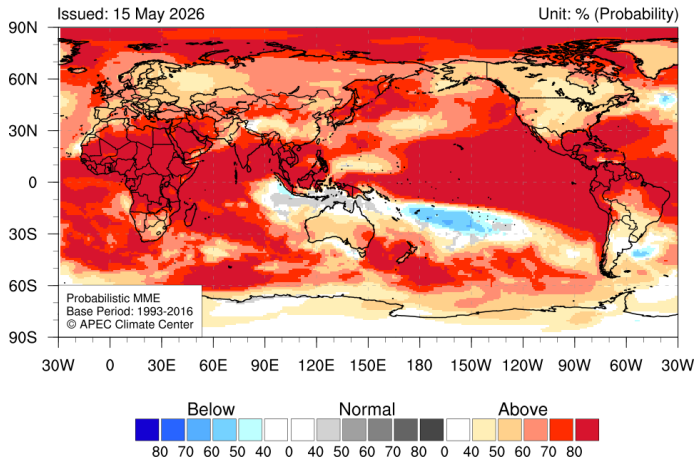
Precipitation for August 2026



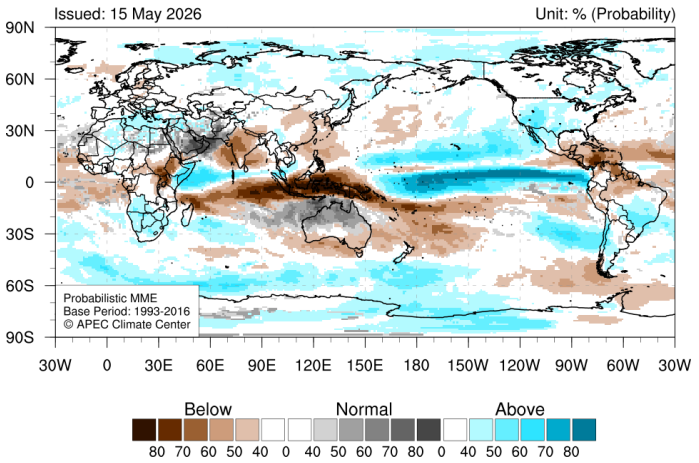
Probabilistic MME forecasts of Monthly 2m temperature (left) and precipitation (right) for June - August 2026. Normal conditions are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

September - November 2026

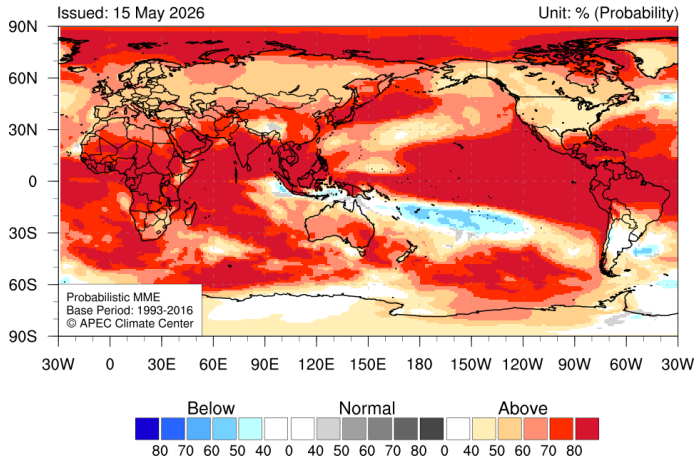
Temperature at 2m for September 2026



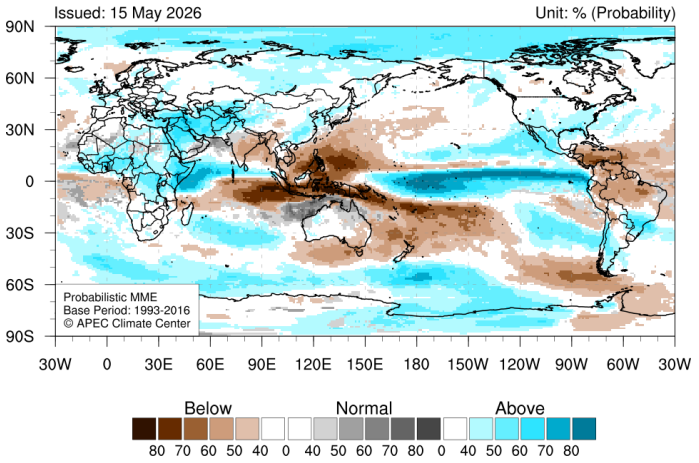
Precipitation for September 2026



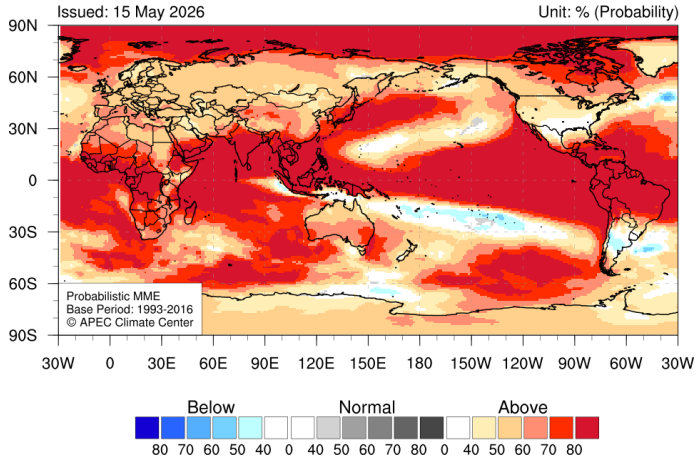
Temperature at 2m for October 2026



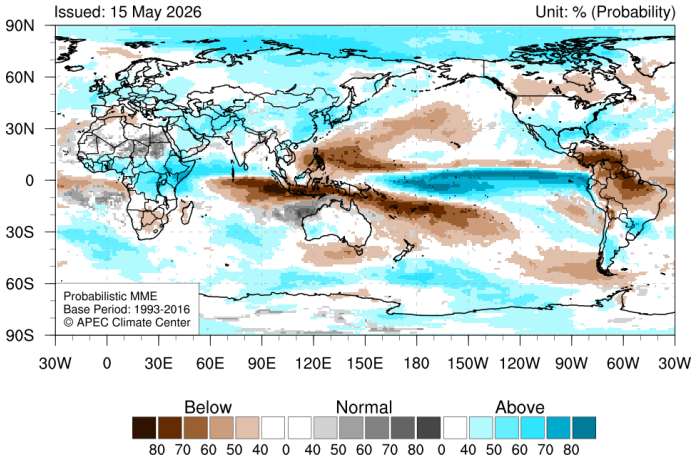
Precipitation for October 2026



Temperature at 2m for November 2026



Precipitation for November 2026



Probabilistic MME forecasts of Monthly 2m temperature (left) and precipitation (right) for September - November 2026. Normal conditions are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

- More information on current climate conditions is available at http://www.apcc21.org/monitoring/recent?lang=en.
- More information on prediction and verification results is available at http://www.apcc21.org/prediction/global/outlook?lang=en.
- This outlook is prepared by the Climate Prediction Department in the Climate Services and Research Division, APCC.
- If you would like to subscribe to our Climate Outlook or have any questions, please e-mail mme@apcc21.org.
- The APCC seasonal forecast is produced through a multi-model ensemble method, utilizing climate models from 16 climate forecasting centers and institutions in 11 countries around the world. Our forecast information should be used for reference only. Please consult the respective country's national meteorological service for the official seasonal forecast for that country

Acknowledgements

The APEC Climate Center is a major APEC science facility, which was established in November 2005 during the leaders meeting of the Asia-Pacific Economic Forum in Busan, Korea. The APCC climate forecasts are based on model simulations from 16 prominent climate forecasting centers and institutes in the APEC region. These forecasts are collected and combined using state-of-the-art schemes to produce a statistically 'consensual' forecast. APCC collects seasonal forecasts from 16 institutes in the APEC region: the Australian Bureau of Meteorology (BoM), Environment and Climate Change Canada (ECCC), Beijing Climate Center China (BCC), Central Weather Administration Chinese Taipei (CWA), Météo-France (METFR), Euro-Mediterranean Center on Climate Change Italy (CMCC), Japan Meteorological Agency (JMA), APEC Climate Center Korea (APCC), Korea Meteorological Administration (KMA), National Institute of Agricultural Sciences Korea (NAS), Pukyong National University Korea (PKNU), Hydrometeorological Research Center of Russia (HMC), Voeikov Main Geophysical Observatory of Russia (MGO), Met Office United Kingdom (UK01), National Aeronautics and Space Administration USA (NASA), and the National Centers for Environmental Prediction USA (NCEP).