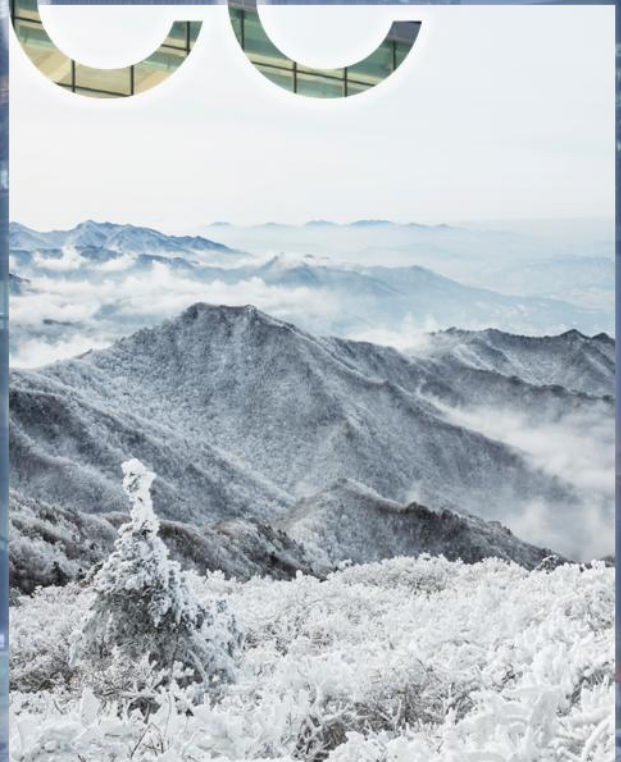
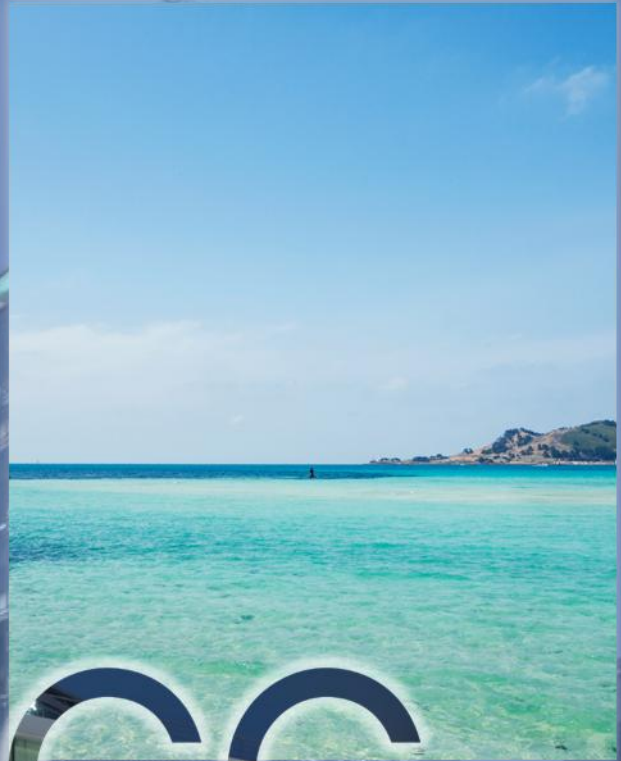




APCC
APEC CLIMATE CENTER

Climate Outlook

Issued: 15 January 2026



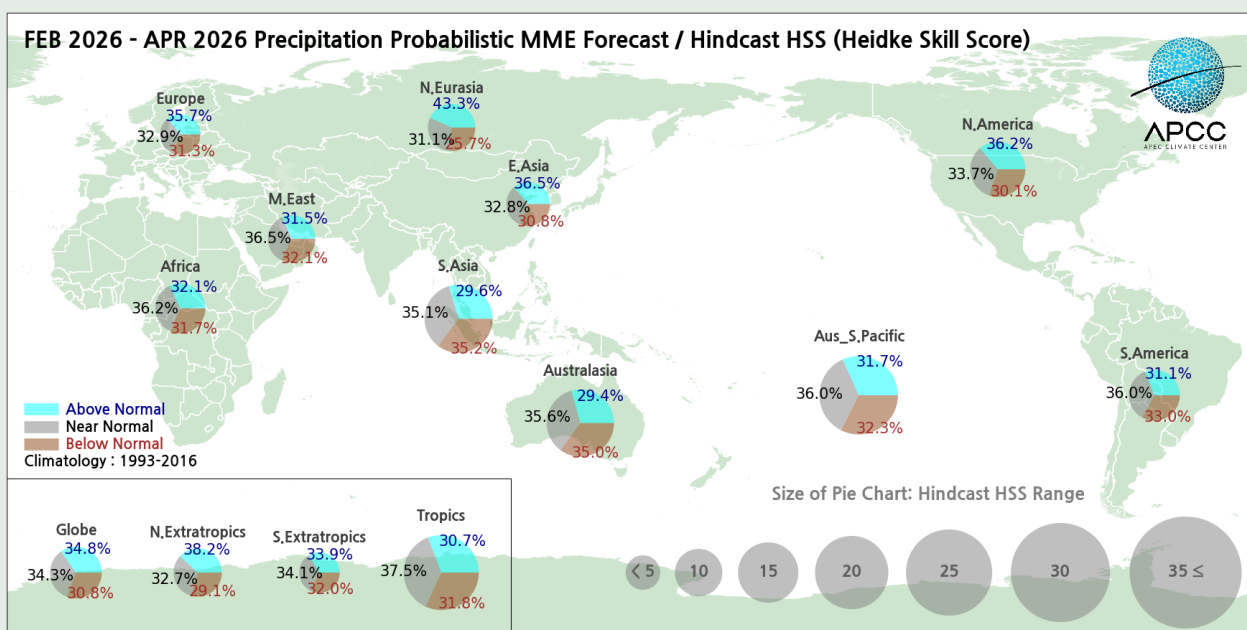
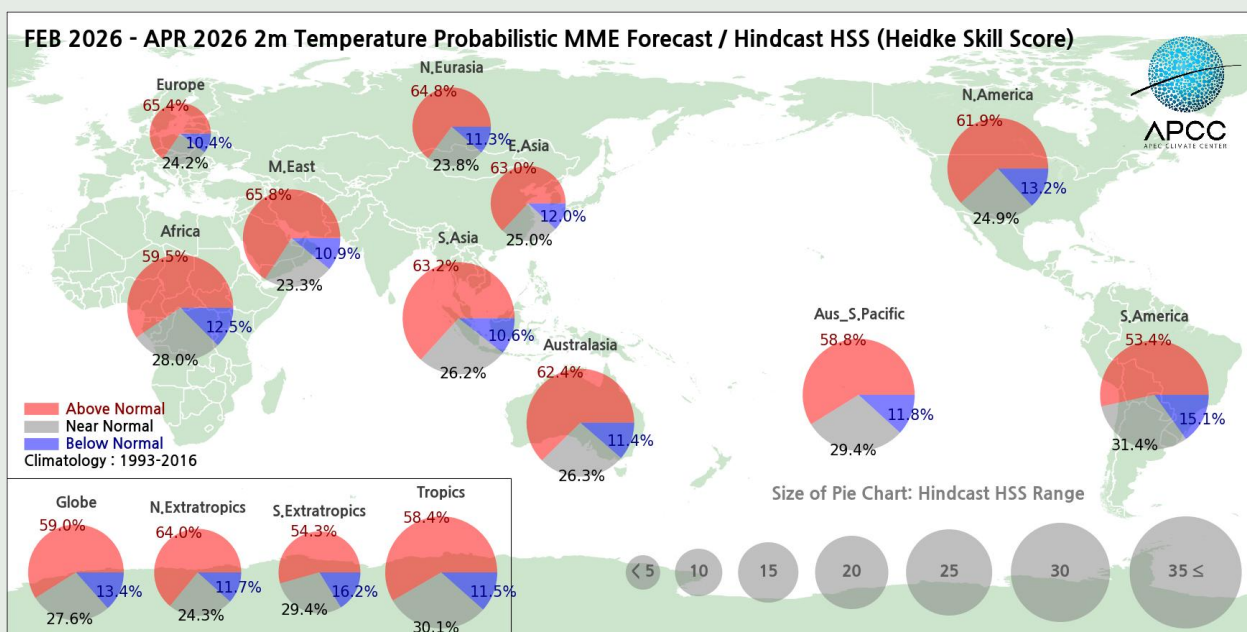
APEC Climate Center

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

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

February - April 2026

- The APCC ENSO Alert suggests “Inactive”. ENSO neutral condition is more probable in early forecast period but Chance of El Nino development becomes dominant at the end of forecast period .
- Above normal temperatures is mostly probable for the globe except for the eastern tropical Pacific, and northern North America during.
- Above normal precipitation is predicted for the Arctic and adjacent region of northern Eurasia, Subtropical North Pacific and central America, central Africa and southwest Pacific. Below normal precipitation is predicted for the off-equatorial central Pacific, extratropical North Pacific for January — March 2026. During April — June 2026, above normal precipitation is expected for the subtropical North Pacific, Sahel region. Below normal precipitation is expected for central off-equatorial South Pacific, Maritime Continent. And Caribbean.



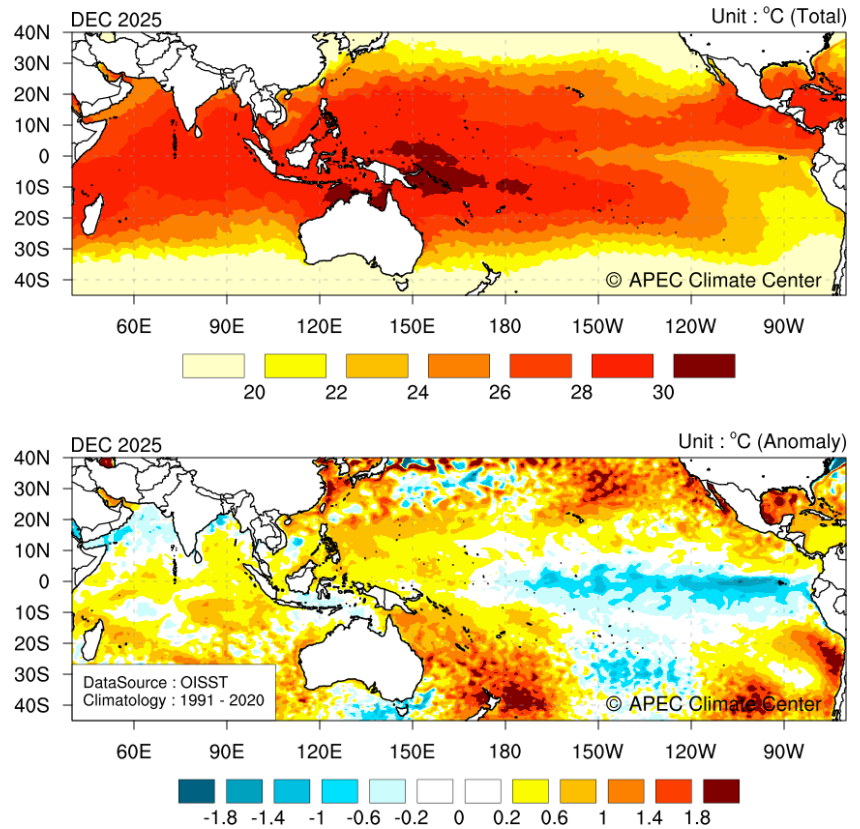
Summary of probabilistic MME forecasts of 2m temperature (top) and precipitation (bottom) and hindcast skill scores for February - April 2026.

The information for May - July 2026 is available at <http://www.apcc21.org/prediction/global/outlook?lang=en>.

Current Climate Conditions

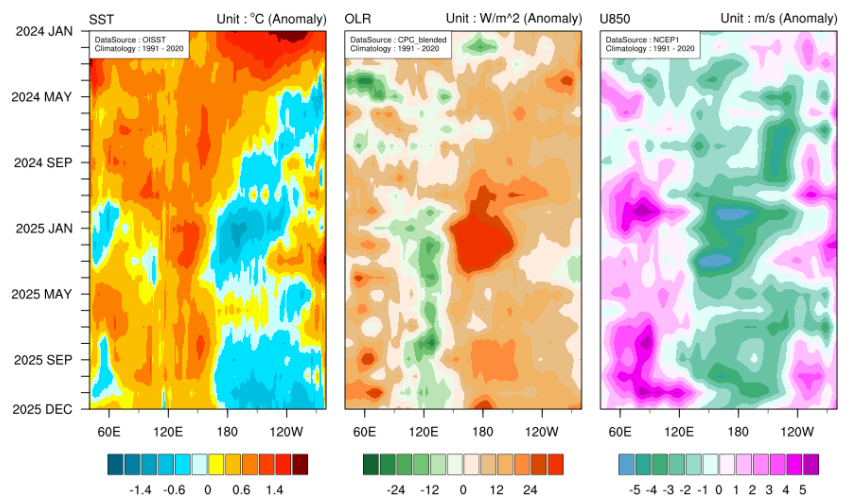
- In December 2025, negative sea surface temperature (SST) anomalies at the central to eastern equatorial Pacific and the positive SST anomalies at the southwestern Pacific slightly weakened. Also, cold SST at the western Indian Ocean weakened as well.
- At the equator, easterly wind anomalies at central Pacific and OLR anomalies at the western Pacific were reduced associated with overall weakening of SST anomalies .
- Positive monthly mean temperature anomalies were observed over the Arctic sea, Greenland, northern Europe, central Asia and Far East Russia. Western North America, western part of central South America also experienced warm condition. Negative temperature anomalies appeared in Northern Russia, Alaska, Canada, western USA, some parts of south Asia, south Africa, and southern South America.
- Above normal precipitation was observed over western and southern Africa, Middle East, southeast Asia and tropical western Pacific, western North America, and central South America. Below normal precipitation was observed over the central Europe, western Central Africa, southeastern USA and northern part of South America..

Sea Surface Temperature



The observed sea surface temperatures (SSTs; top) and anomalies (bottom) for December 2025

Sea Surface Temperature / Outgoing Longwave Radiation / U-wind at 850hPa



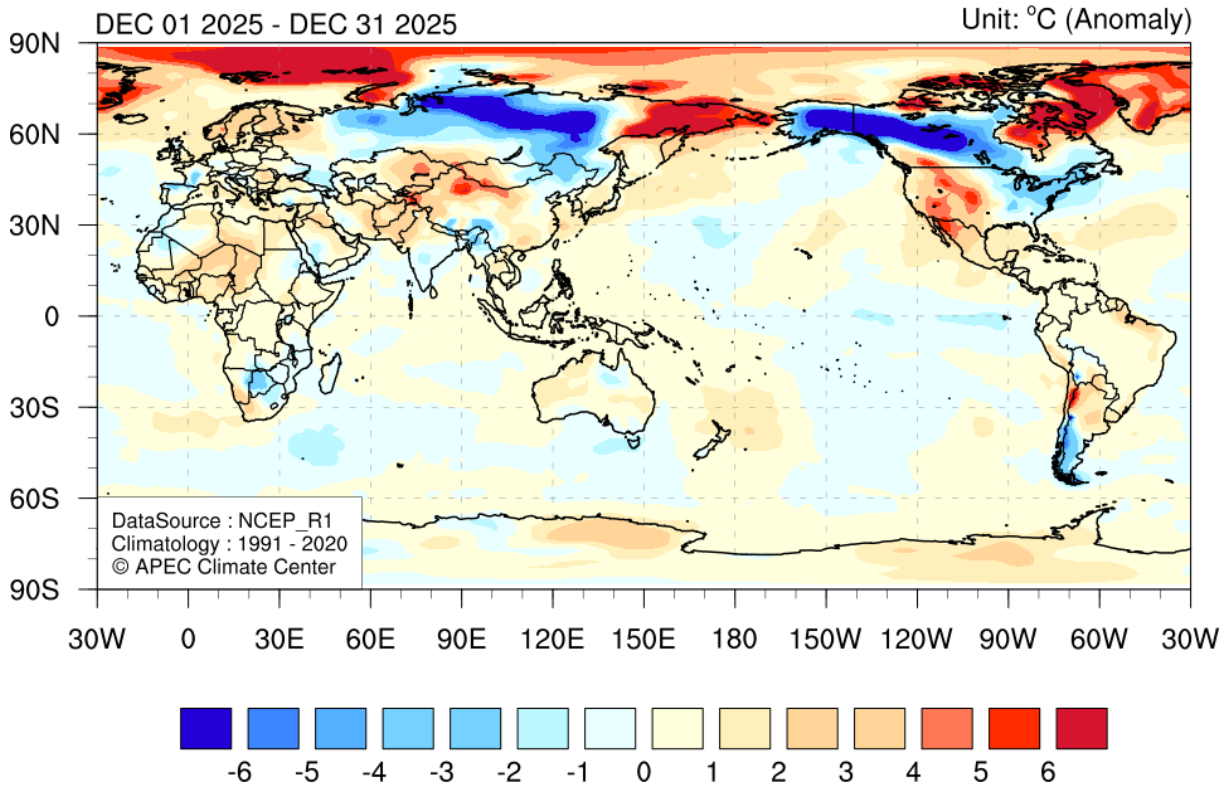
* Anomalies are averaged between 5°S and 5°N.

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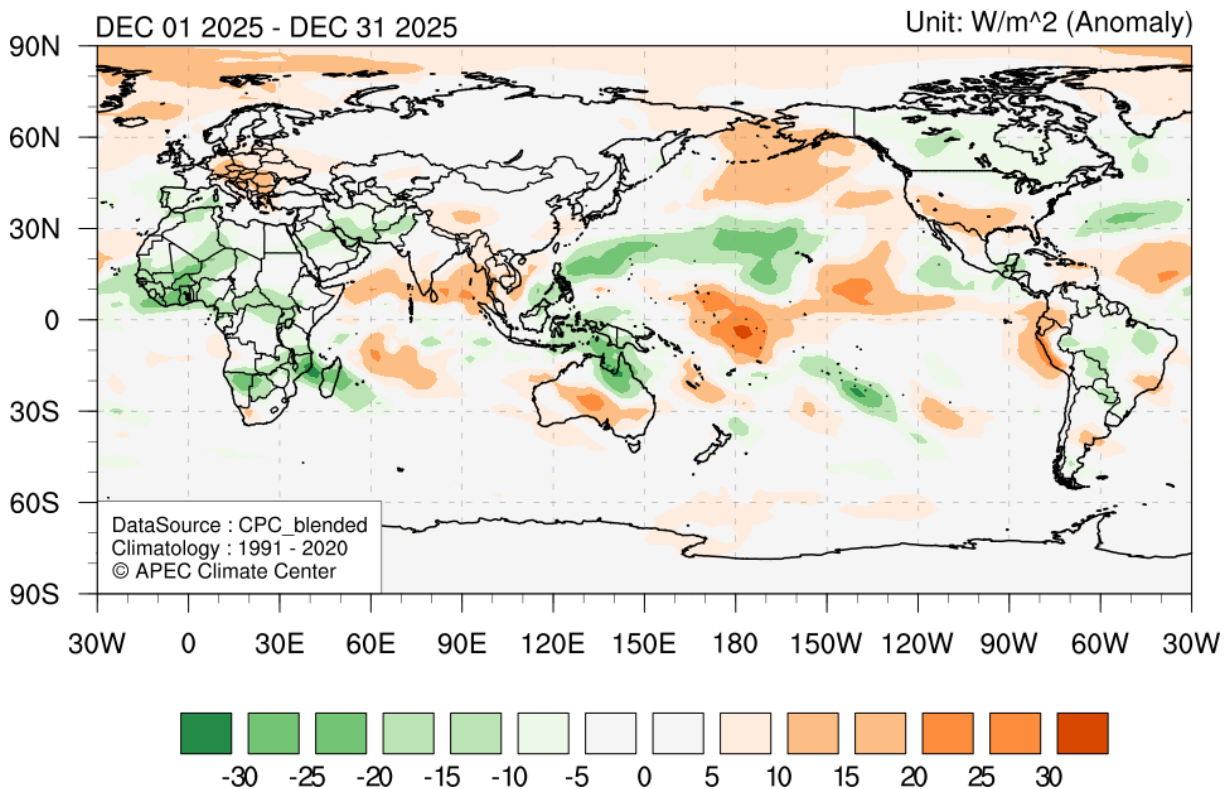
Time-longitude cross section of the observed sea surface temperature (SST), outgoing longwave radiation (OLR), and zonal wind at 850hPa (U850) anomalies along the equator (5°S-5°N) in the Indian and Pacific Oceans (40°E-80°W) for January 2024 – December 2025.

Current Climate Conditions

Temperature at 2m



Outgoing Longwave Radiation

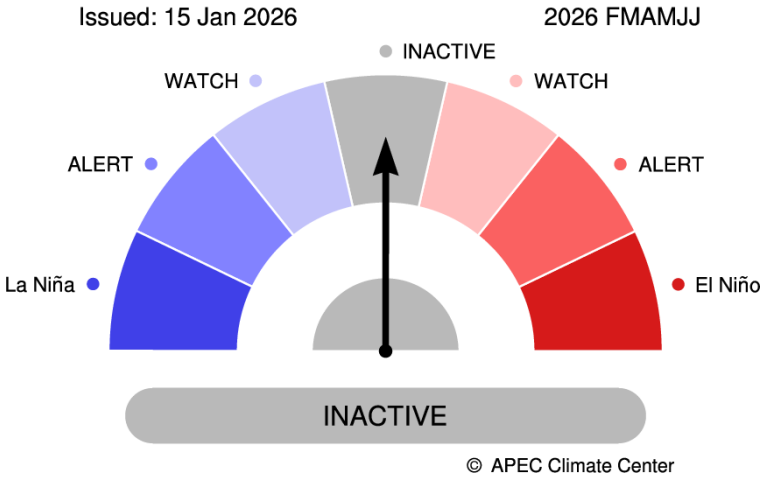


The observed 2m temperatures (top) and OLR anomalies (bottom) for December 2025.

February - July 2026

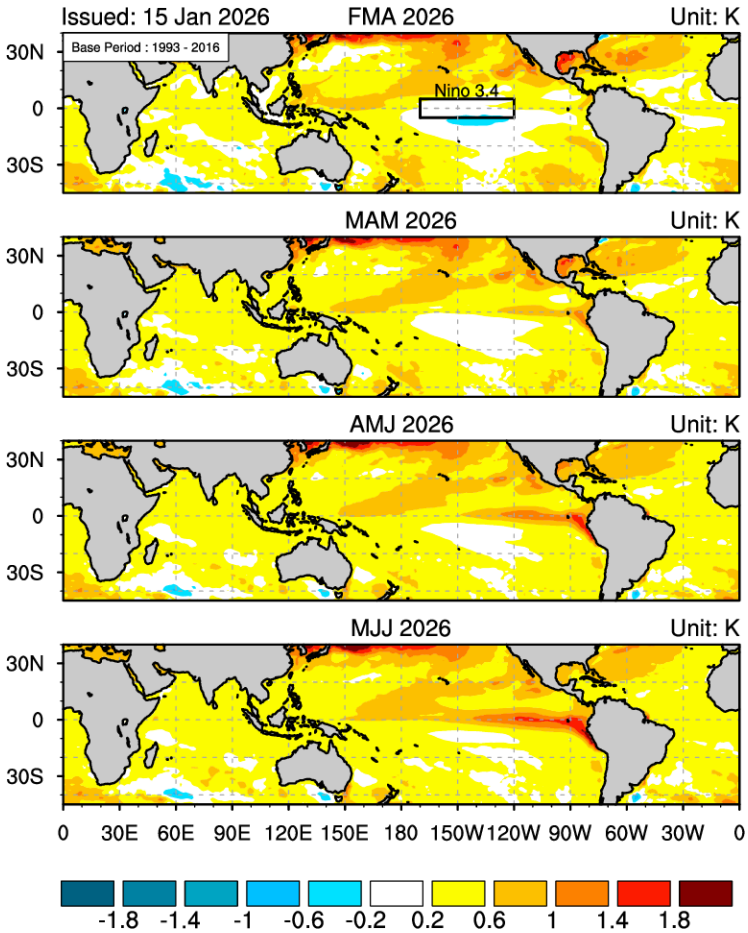
- The APCC ENSO outlook suggests “Inactive”.
- Negative SST anomalies in central Pacific disappears rapidly. Warming of equatorial eastern Pacific SST indicates early development of El Nino.
- Niño3.4 index is expected to be -0.31°C for February 2026 and then increase up to 0.93°C in July.
- Neutral condition is more probable with 81.7% of chance in the early forecast period but El Nino becomes most probable after April to June with 69.9% of chance in May to July

ENSO Alert System



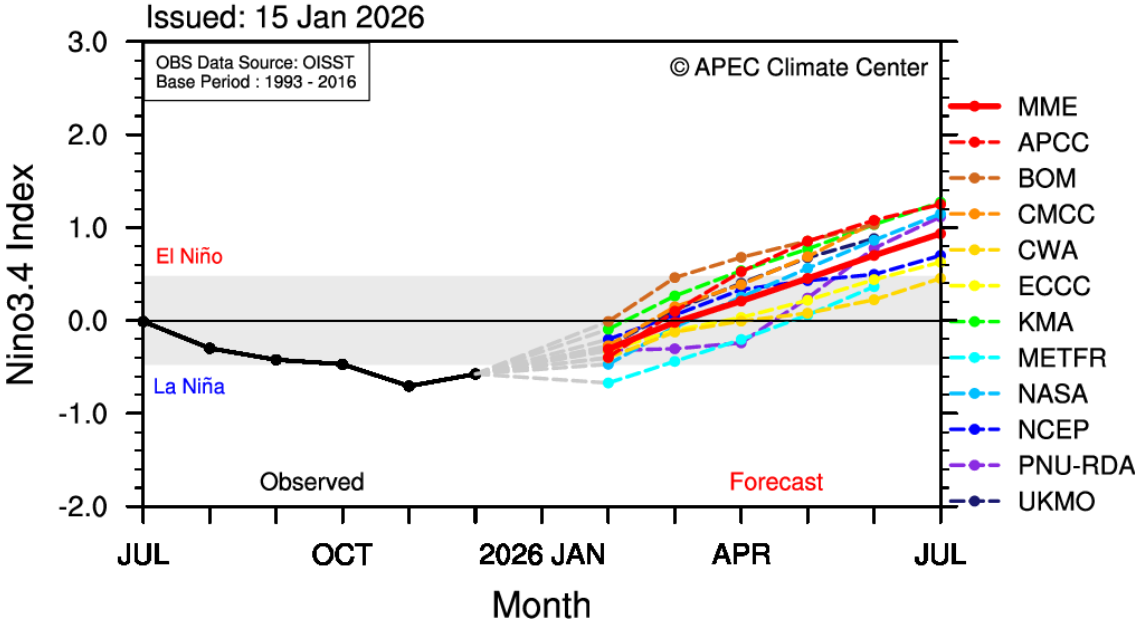
The APCC ENSO Alert status for February - July 2026. Anomalies are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction. Observed data used for the recent three months is the Optimum Interpolation Sea Surface Temperature (OISST). Effective from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

SST Anomaly for FMA-MJJ 2026

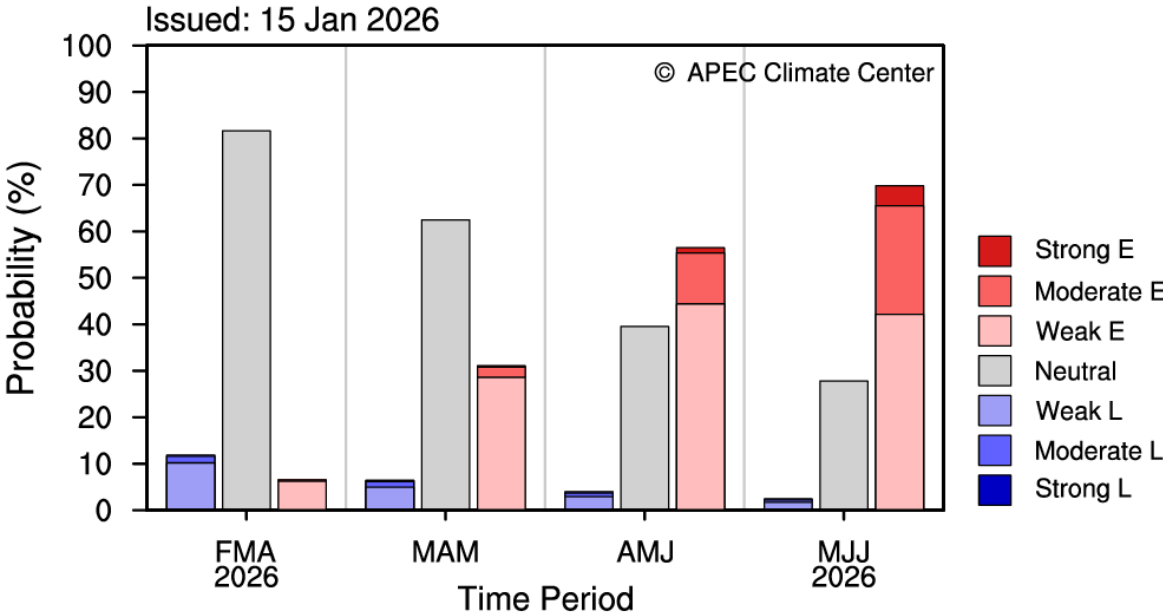


Multi-model ensemble (MME) forecasts of SST anomalies for February - July 2026. Anomalies are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

Nino3.4 Index for 2026 FMAMJJ



Probabilistic ENSO Forecast for 2026 FMAMJJ



* 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 February - July 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.

February - April 2026

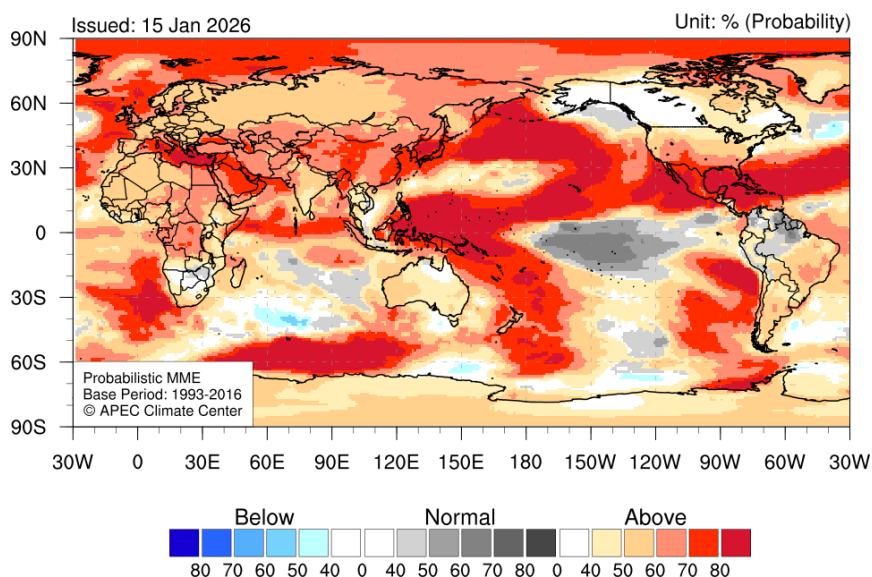
Temperature

- Strongly enhanced probability for above normal temperatures is predicted for the **Arctic sea, northeastern Atlantic, Mediterranean, Middle East, Equatorial Indian Ocean, eastern East Asia and north Pacific, tropical North Pacific and southwest Pacific, Caribbean, Mexico, subtropical North Atlantic, southeastern South Pacific**. Enhanced probability for above normal temperatures is expected for **Europe, Russia, Central Asia, North and Central Africa, western Australia, central North America, central and southern South America**.
- Enhanced probability for near normal temperatures is predicted for the **central equatorial Pacific and northern South America**.
- Enhanced probability for below normal temperatures is predicted for south **southwestern Indian Ocean**. A tendency for below normal temperatures is predicted for a **part of North Atlantic**.

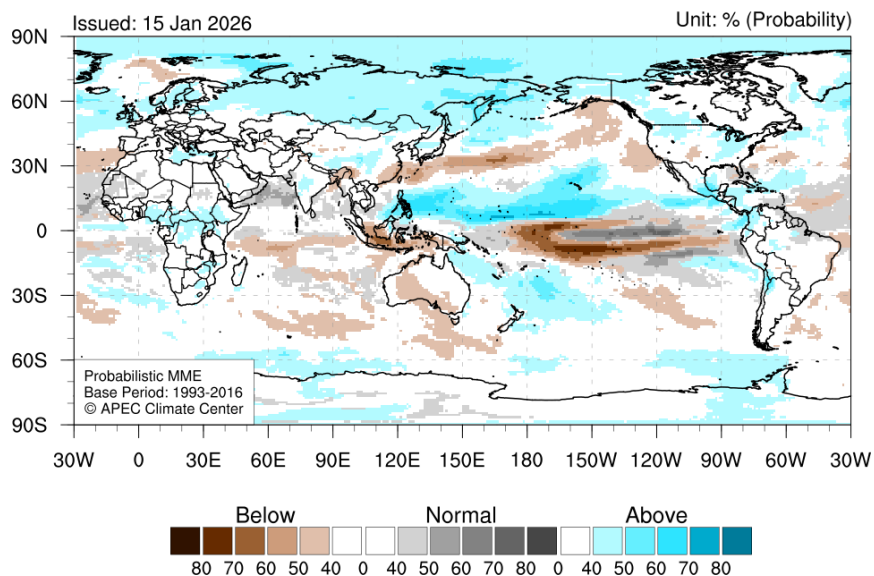
Precipitation

- Enhanced probability for above normal precipitation is predicted for **subtropical North Pacific**. A tendency for above normal precipitation is expected for **India, Arctic, Russia, central Africa, southwestern Pacific, northeastern part of North America, central America**.
- Enhanced probability for near normal precipitation is predicted for the **eastern equatorial Pacific, northern Indian Ocean, and coast of western Africa**.
- Strongly enhanced probability for below normal precipitation is predicted for the **central equatorial Pacific and off-equatorial South Pacific**. Enhanced probability for below normal precipitation is expected for **Maritime Continent, western and central North Pacific**. A tendency for below normal precipitation is predicted for the **tropical Indian Ocean, western Australia, subtropical eastern Atlantic..**

Temperature at 2m for February-April 2026



Precipitation for February-April 2026



Probabilistic MME forecasts of 2m temperature (top) and precipitation (bottom) for February - April 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	Strongly enhanced probability for above normal temperatures/precipitation
50% < probability < 70%	Enhanced probability for above normal temperatures/precipitation	50% < probability < 70%	Enhanced probability for above normal temperatures/precipitation
40% < probability < 50%	A tendency for above normal temperatures/precipitation	40% < probability < 50%	A tendency for above normal temperatures/precipitation
70% < probability	Strongly enhanced probability for near normal temperatures/precipitation	70% < probability	Strongly enhanced probability for near normal temperatures/precipitation
50% < probability < 70%	Enhanced probability for near normal temperatures/precipitation	50% < probability < 70%	Enhanced probability for near normal temperatures/precipitation
40% < probability < 50%	A tendency for near normal temperatures/precipitation	40% < probability < 50%	A tendency for near normal temperatures/precipitation
70% < probability	Strongly enhanced probability for below normal temperatures/precipitation	70% < probability	Strongly enhanced probability for below normal temperatures/precipitation
50% < probability < 70%	Enhanced probability for below normal temperatures/precipitation	50% < probability < 70%	Enhanced probability for below normal temperatures/precipitation
40% < probability < 50%	A tendency for below normal temperatures/precipitation	40% < probability < 50%	A tendency for below normal temperatures/precipitation

Probabilistic MME forecasts of APCC is described as above

May - July 2026

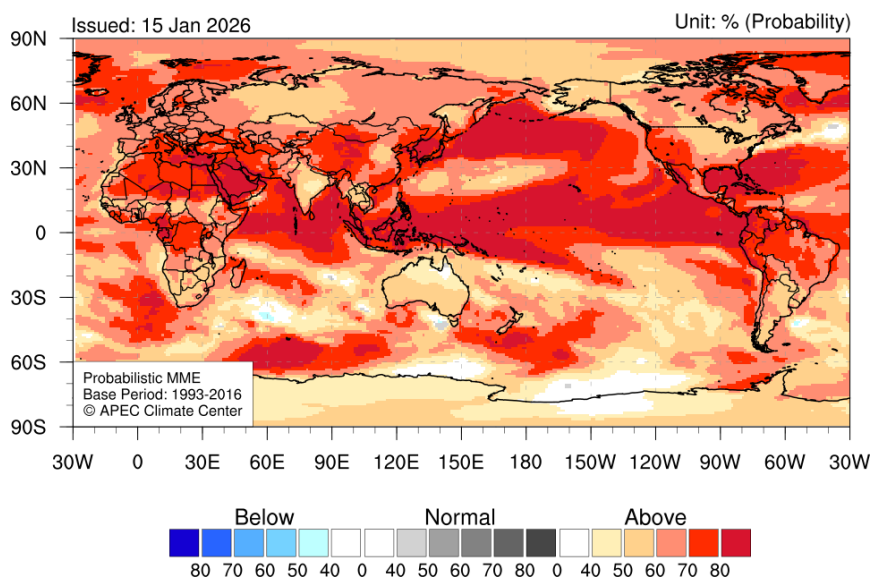
Temperature

- Strongly enhanced probability for above normal temperatures is predicted for **the Arctic sea, northeastern Atlantic, Mediterranean, Middle east, northern and central Africa, northern Indian Ocean, East Asia, North Pacific, western USA, subtropical North Atlantic, Caribbean, northern South America and tropical Pacific**. Enhanced probability for above normal temperatures is expected for **Europe, Central Asia, Russia, southern Africa and India, North America (except for western USA), southern South America**.

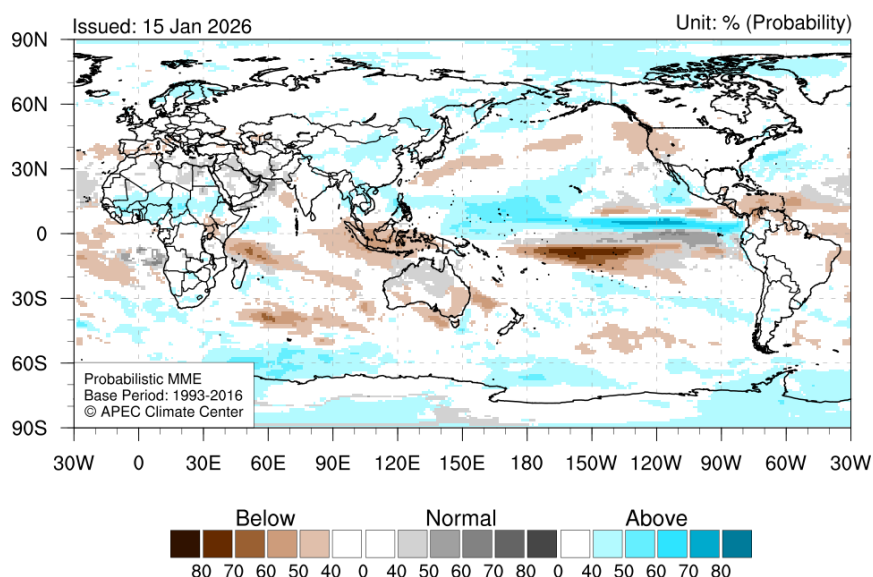
Precipitation

- Enhanced probability for above normal precipitation is predicted for **off-equatorial north Pacific**. A tendency for above normal precipitation is predicted for **some part of Arctic, Sahel region, western Atlantic**.
- Enhanced probability for near normal precipitation is predicted for **the eastern equatorial Pacific**. A tendency for near normal precipitation is expected for **some part of north Africa and Middle East, northern Australia**.
- Strongly enhanced probability for below normal precipitation is predicted for **off-equatorial South Pacific**. Enhanced probability for below normal precipitation is predicted for **the Maritime continent and southwestern Indian Ocean**. A tendency for below normal precipitation is predicted for **Caribbean and western USA**.

Temperature at 2m for May-July 2026



Precipitation for May-July 2026



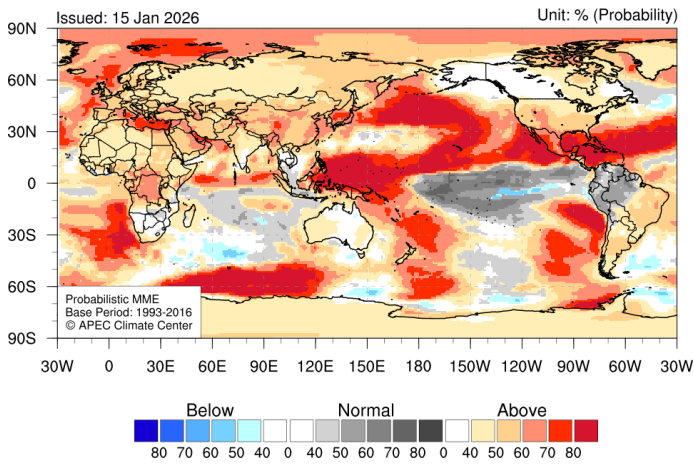
Probabilistic MME forecasts of 2m temperature (top) and precipitation (bottom) for May - July 2026. Normal conditions are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

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

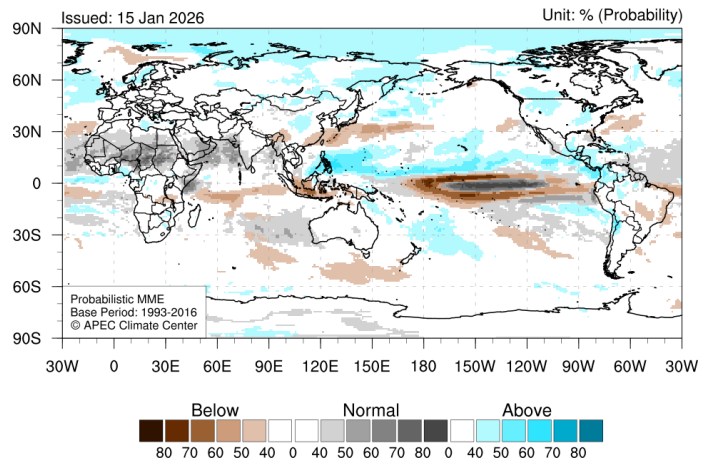
Probabilistic MME forecasts of APCC is described as above

February - April 2026

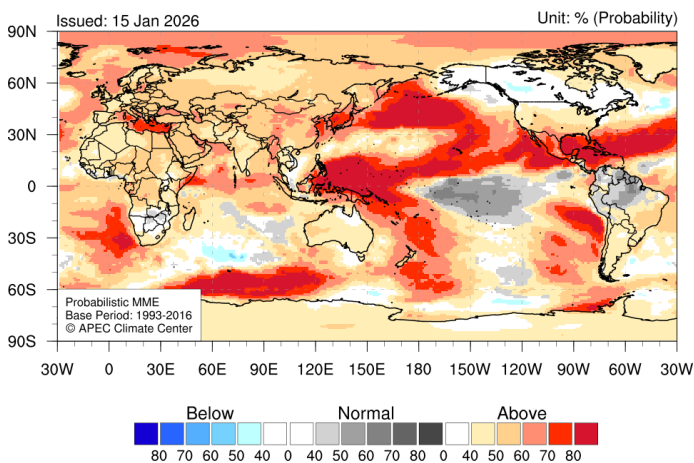
Temperature at 2m for February 2026



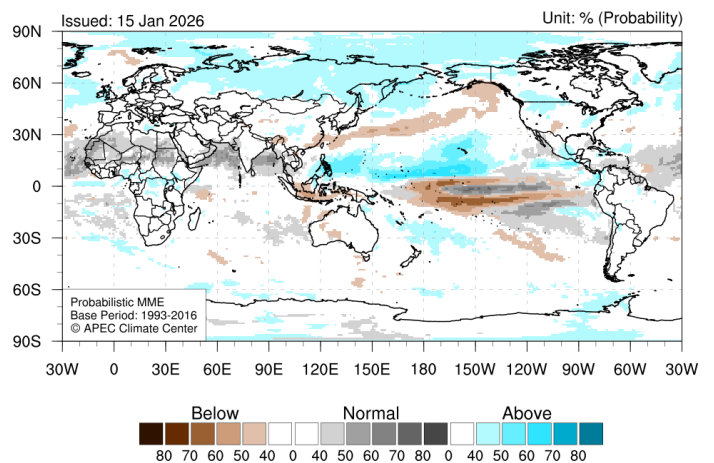
Precipitation for February 2026



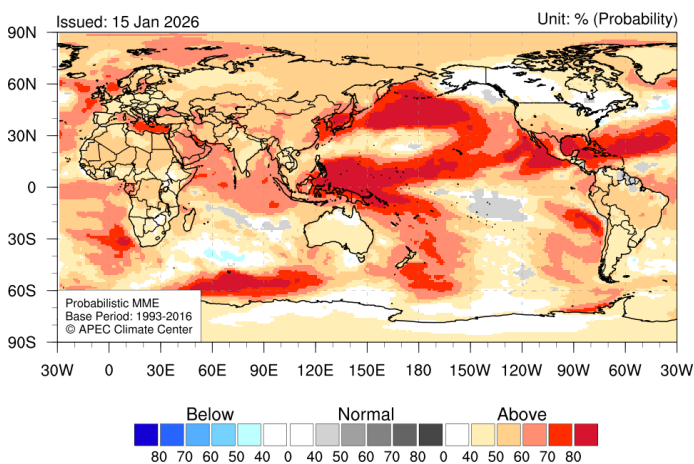
Temperature at 2m for March 2026



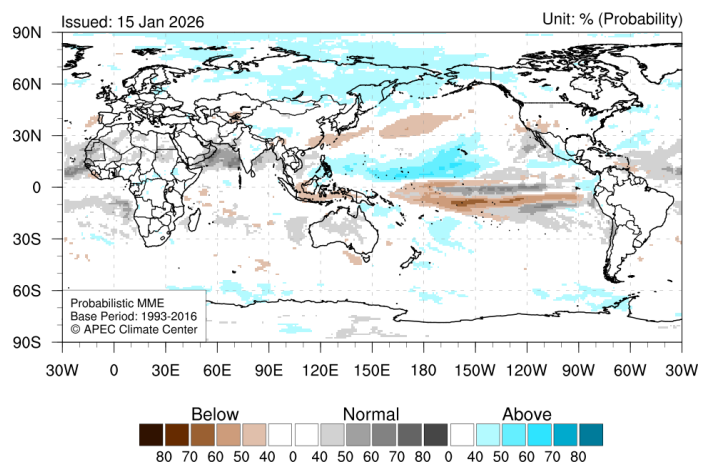
Precipitation for March 2026



Temperature at 2m for April 2026



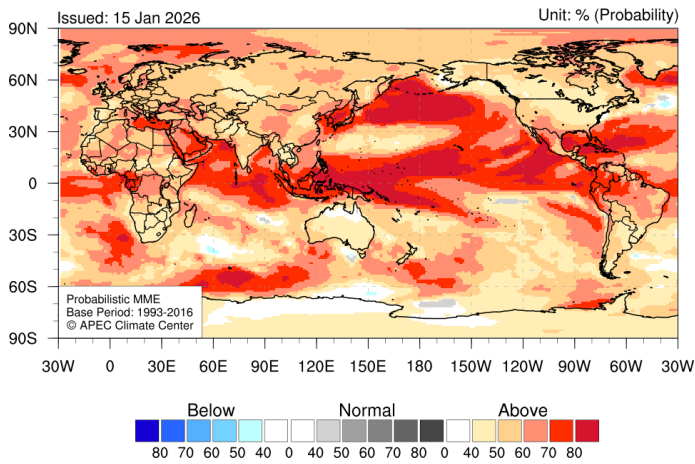
Precipitation for April 2026



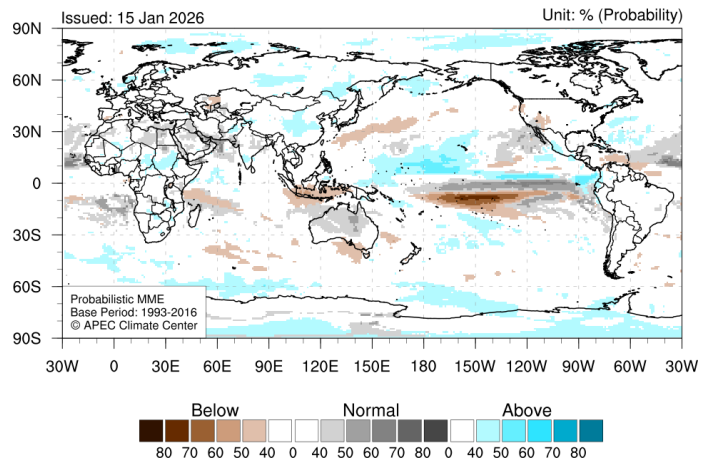
Probabilistic MME forecasts of Monthly 2m temperature (left) and precipitation (right) for February - April 2026. Normal conditions are computed with respect to the common base period (1993-2016) of participating models in the APCC MME prediction.

May - July 2026

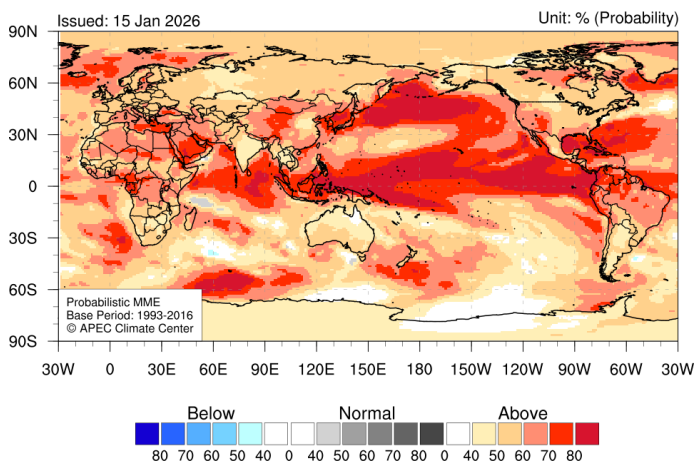
Temperature at 2m for May 2026



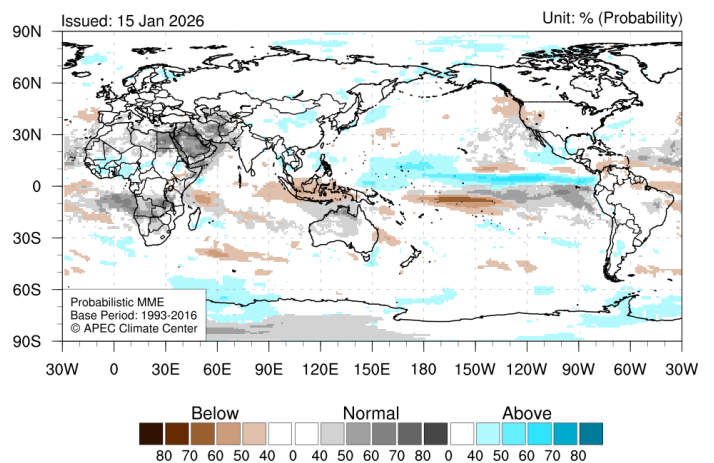
Precipitation for May 2026



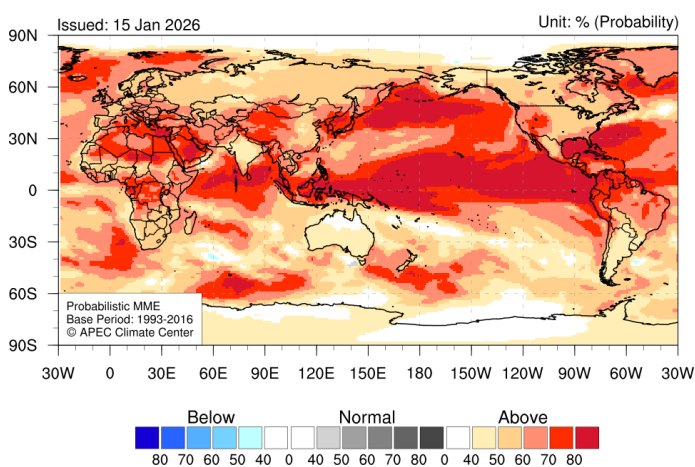
Temperature at 2m for June 2026



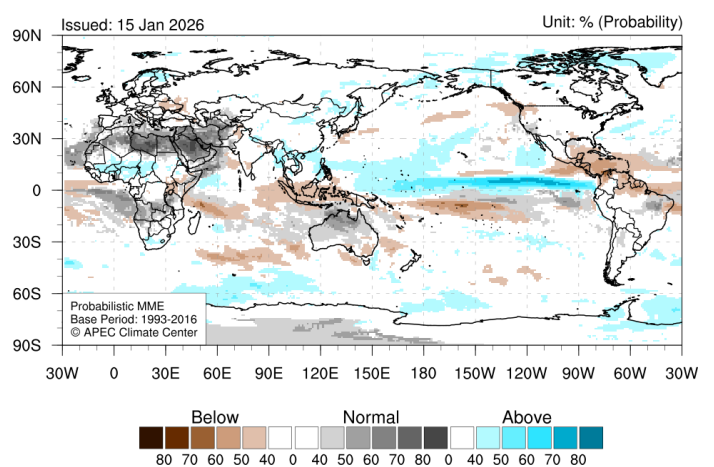
Precipitation for June 2026



Temperature at 2m for July 2026



Precipitation for July 2026



Probabilistic MME forecasts of Monthly 2m temperature (left) and precipitation (right) for May - July 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 (UK12), National Aeronautics and Space Administration USA (NASA), and the National Centers for Environmental Prediction USA (NCEP).