

Pacific Weekly ACCESS-S Update Wednesday 9 April 2025

Ocean Outlook, fortnight to 25 April:

- Sea surface temperature (SST) forecasts more than 0.8°C **above normal** are favoured in the following country EEZs: Palau, northern CNMI, southern Line Is. (Kiribati), most of PNG, western and south Solomon Is., central and southern Vanuatu, western and southern New Caledonia, northern Tonga, Niue, southern A. Samoa, southwest Cook Is., north and parts of south French Polynesia. SST anomalies above 1.2°C are favoured in southern parts of PNG, New Caledonia, Vanuatu and southern French Polynesia. Nauru and western Kiribati are forecasted to have SSTs cooler than -0.4°C. Elsewhere, SSTs are predicted to be **near-normal**.
- Notably, **above normal** sea level (>100 mm) is predicted for southern Palau, northern FSM, eastern Guam, northern CNMI, New Guinea Is., most of the Solomon Is., western Tuvalu, western PNG and southern Tonga. **Below normal** sea level (<100 mm) is predicted for parts of the southern Line Is. (Kiribati) and small patches in northern and eastern French Polynesia. Elsewhere, sea levels are expected to be near-normal. Note that sea level anomalies from ACCESS-S2 do not include global but can include regional sea level trends.
- Tide calendars are available via <https://oceanportal.spc.int/portal/library/> Sea level and SST skill information can be found in the accompanying presentation.

Climate Outlook, fortnight to 25 April:

- There is an **increased risk** of tropical cyclone (TC) occurrence in the SW Pacific region over 14 - 20 April, according to the ACCESS-S (10% - 40%) and ECMWF (5 % - 20 %) models.
- Above normal** rainfall over 14 - 20 April is favoured in the following EEZs: southern Palau, northeast RMI, southern PNG, Solomon Is., Vanuatu, New Caledonia, northern Fiji, Tuvalu, Tokelau, Wallis & Futuna, Samoa, A. Samoa, northern Niue, Cooks Is., north and southwest French Polynesia. **Below normal** rainfall is favoured for the following country EEZs: northern New Guinea Is., FSM, southern RMI, Nauru, northern Gilbert Is., north-eastern Phoenix Is., northern Line Is., southern central Fiji, southern Tonga, northeast French Polynesia and the Pitcairn Is.
- Maximum and minimum air temperatures are considered normal in the following country EEZs: Nauru and most of Kiribati. Elsewhere, there is a strong likelihood of **above-normal** temperatures.
- Remember to review rainfall and air temperature outlook skill information, which can be found in the accompanying presentation.

Climate Influences:

- El Niño-Southern Oscillation (ENSO)** and **Indian Ocean Dipole (IOD)** are neutral. Additional information is available via the Southern hemisphere monitoring update- <http://www.bom.gov.au/climate/enso/>.
- Over the 30 days to 6 April, outgoing longwave radiation observations suggest the **Intertropical Convergence Zone** was confined to the western Pacific above PNG, and the **South Pacific Convergence Zone** remained displaced southwards over Vanuatu, Fiji and Tonga.
- The **Madden-Julian Oscillation (MJO)**, as of 11 April, is relatively weak. Forecasts for the MJO are mixed, with most models' forecasting the MJO to strengthen over the central Pacific and move into the Western Hemisphere near Africa by late April.

Outlooks: <http://www.bom.gov.au/climate/pacific/outlooks/>, <http://oceanportal.spc.int/portal/ocean.html>, [ECMWF Tropical Cyclone Outlook](#)

Influences: <http://www.bom.gov.au/climate/enso/>

