

## Pacific Weekly ACCESS-S Update Wednesday 01 October 2025

### Ocean Outlook, fortnight to 17 October:

- Sea surface temperature (SST) forecasts more than 0.8°C **above normal** are favoured in the following countries' Exclusive Economic Zones (EEZs): Palau, northern CNMI, southern FSM, PNG, Solomon Is, Vanuatu, New Caledonia, central French Polynesia, and Pitcairn Is. SST anomalies above 1.2°C are favoured in PNG, the western Solomon Islands, northwest New Caledonia, and eastern French Polynesia. Elsewhere, SSTs are predicted to be **near-normal**.
- Notably, **above-normal** sea levels (>100 mm) are predicted for northern CNMI, southern parts of FSM and southeast part of RMI. **Below-normal** sea levels (<100 mm) are indicated for central Tonga, northern Line Islands (Kiribati), southern Cook Is, as well as southern 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 17 October:

- Tropical cyclone occurrence for the period from 05 October to 18 October has a significant increased risk near the Philippines, Palau, western FSM, Guam, CNMI, China Sea region and Japan according to the ACCESS-S and ECMWF models.
- Above-normal** rainfall is favoured in the following EEZs: CNMI, most of PNG, southern Solomon Islands, Vanuatu, New Caledonia, western Fiji, Wallis and Futuna, Samoa, American Samoa, central Cook Islands, and central and southern French Polynesia. **Below-normal** rainfall is favoured for the following EEZs: central Palau, FSM, most of RMI, northern PNG, northern Solomon Is., Nauru, Kiribati (southern Gilbert, Phoenix, and northern and central Line Islands), northern Tuvalu, parts of northern Tonga, Niue, northern and southern Cook Islands, and northern French Polynesia.
- Near-normal maximum and minimum** air temperatures are favoured for Nauru, Kiribati (the Gilbert, Phoenix Islands, and northern and southern Line Islands), northern Tuvalu, northern Tokelau, northern and southern Cook Islands, eastern Fiji, Tonga, Niue and north-eastern French Polynesia. Parts of central and northern Line Islands (Kiribati) and the northernmost part of French Polynesia are expected to experience **below-normal** temperatures. Elsewhere, **above-normal** temperatures are likely. Please review the rainfall and air temperature outlook skill information, which can be found in the accompanying presentation.

### Climate Influences:

- El Niño-Southern Oscillation (ENSO)** remains neutral. The **Indian Ocean Dipole (IOD)** is negative. Additional information is available via the Southern Hemisphere Monitoring Update - <http://www.bom.gov.au/climate/enso/>.
- For the past 30 days, outgoing longwave radiation observations have shown that the **Intertropical Convergence Zone** is slightly north of its average position. The **South Pacific Convergence Zone** is aligned with its average position.
- The **Madden-Julian Oscillation (MJO)** is currently weak or indiscernible. A small number of forecasts from surveyed models suggest the MJO is likely to briefly strengthen in the Western Pacific before weakening as it moves to the Western Hemisphere and Africa. Most forecasts indicate the MJO will remain weak or indiscernible for the coming fortnight.
- Outlooks: <http://www.bom.gov.au/climate/pacific/outlooks/>, <http://oceanportal.spc.int/portal/ocean.html>, [ECMWF Tropical Cyclone Outlook](http://www.ecmwf.int/en/forecasts/short-range-weather-forecasts)
- Influences: <http://www.bom.gov.au/climate/enso/> :

