



TUVALU OCEAN & FISHERIES OUTLOOK



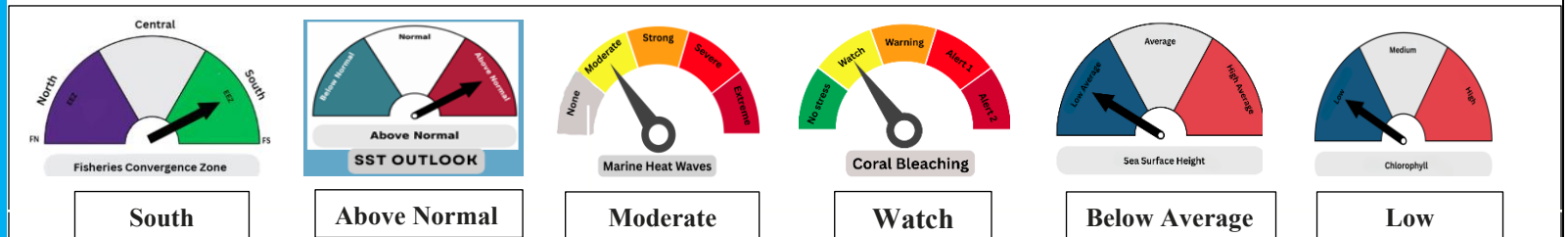
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SUMMARY

JULY 2026

Issue Outline:

- Summary
- ENSO update
- FCZ (Monthly & Seasonal)
- Rainfall & SST's
- Sea Surface Height
- Tides & Moon Phases



EL NINO SOUTHERN OSCILLATION (ENSO) UPDATE



The El Niño–Southern Oscillation (ENSO) is currently in an El Niño phase.

IMPACTS

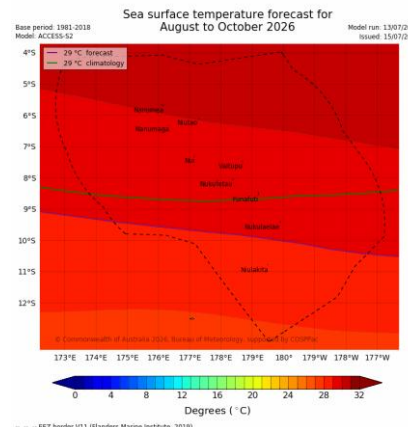
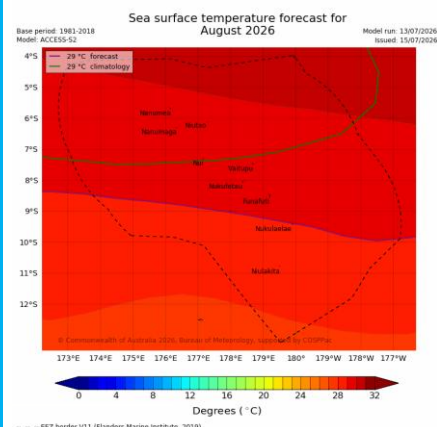
LA NIÑA

- Cooler Sea Surface Temperature
- Less Rainfall
- Moderate to strong trade winds

EL NIÑO

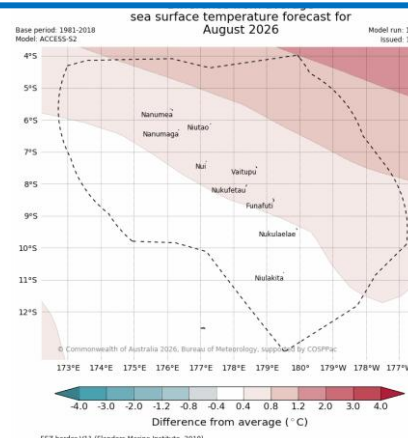
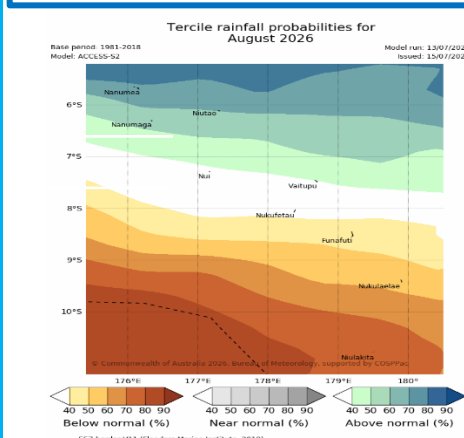
- Warmer Sea Surface Temperature
- More Rainfall
- Weakened in the trade winds
- Coral Bleaching

FISHERIES CONVERGENCE ZONE (FCZ) MONTHLY & SEASONAL (AUGUST & AUGUST TO OCTOBER)



- The FCZ (Purple line) for August 2026, is forecasted to be located south of it climatology location (green line) and closed to Nukulaelae.
- The FCZ (Purple line) for the next three months, August to October 2026, is forecast to be located close to Nukulaelae and south of it climatological position (green line).
- Note: Lagoon temperatures may be higher than temperatures forecast for the open ocean.

RAINFALL AND SEA SURFACE TEMPERATURE MONTHLY (AUGUST 2026)



- Above normal rainfall over Nanumea, Nanumaga and Niutao
- Near normal rainfall condition over Niu, Vaitupu and Nukufetau.
- Below normal rainfall in Funafuti, Nukulaelae and Niulakita.
- Sea Surface Temperature (SSTs) are forecast to be 0.4-0.8°C above average from Nanumea to Funafuti and across the Northeastern EEZ, and near-average conditions (-0.4°C to 0.4°C are expected from Nukulaelae to Niulakita and the southwestern EEZ.

- <http://www.bom.gov.au/climate/enso/?ninoIndex=nino3.4&index=nino34&period=weekly>
- <https://access-s.clide.cloud/>
- <http://www.bom.gov.au/oceanography/projects/spslcmp/tidecalendars.shtml>
- <https://oceanportal.spc.int/explorer>
- <https://www.windy.com>
- <https://opm.gem.spc.int/ocean/home>



Tide Calendar

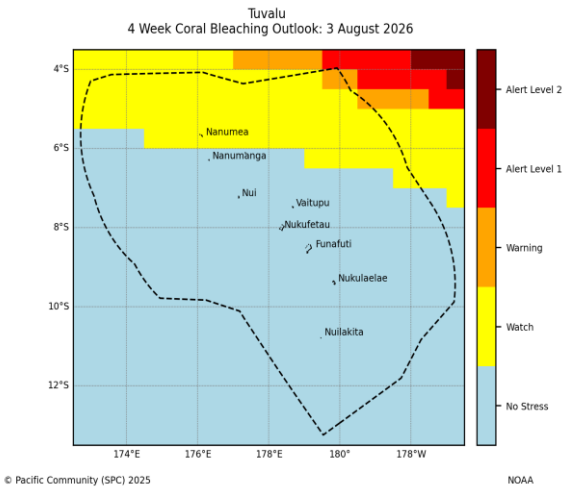
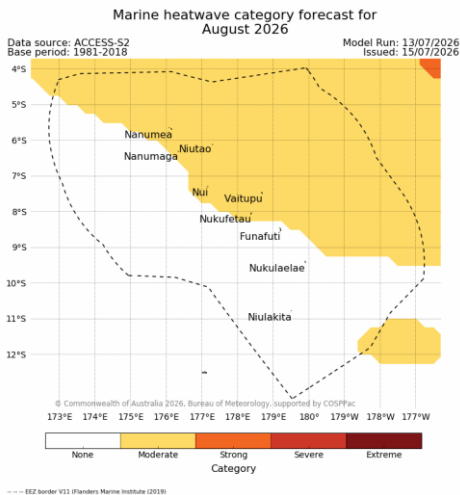


Tide App



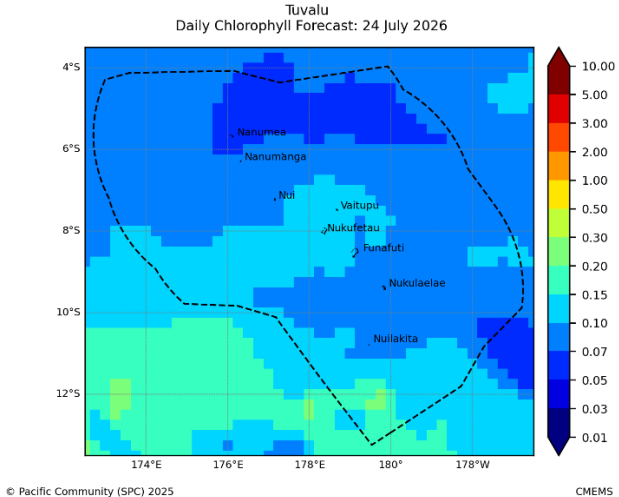
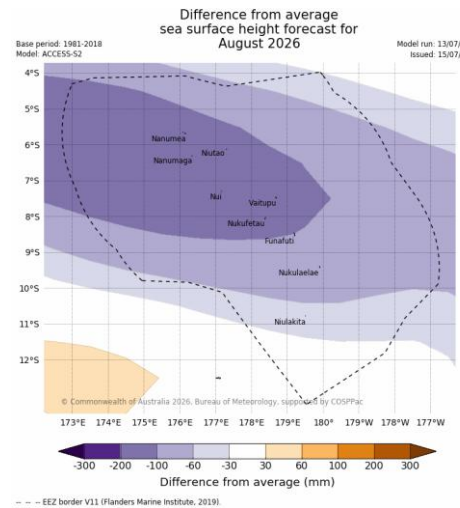
Real time display

MARINE HEAT WAVE AND CORAL BLEACHING OUTLOOK AUGUST 2026



- A moderate marine heatwave is forecast over the northern and central islands' waters, extending into the northern EEZ. NO marine heatwaves are expected around Funafuti, Nukulaelae, Niulakita, or the southwestern EEZ.
- The 4 weeks coral bleaching outlook (3rd August 2026) Waters around Nanumea and Niutao and the northern EEZ are under watch conditions, meaning bleaching risk may increase if warm temperatures persist. **NO stress** for the Central and Southern waters of Tuvalu, indicating little or no immediate risk of coral bleaching over the four weeks.

SEA SURFACE HEIGHT (SSH's) & CHLOROPHYLL CONCENTRATION MONTHLY AND DAILY



- The August 2026 sea surface height forecast indicates below-average sea levels across Tuvalu. The largest negative anomalies (-30 to -100mm) are expected over the northern and central islands. Funafuti, Nukulaelae and Niulakita are also forecast to experience slightly below-average sea levels, with no areas expected to be above average.
- A low to moderate chlorophyll concentration across Tuvalu waters, indicating relatively low phytoplankton productivity. Moderate concentrations (light blue to green **0.10–0.30 mg/m³**) are expected around Nukufetau and Vaitupu, and the south of the EEZ.

TIDE PREDICTION AND MOON PHASE MONTHLY(AUGUST 2026)

Tides	Date	Time	Level
	1 st Highest Tide	13 th August	(05:08) 3.12m
	1 st Lowest Tide	13 th August	(11.30) 1.00m
	2 nd Highest Tide	29 th August	(05:20) 2.94m
	2 nd Lowest Tide	29 th August	(11.35) 1.17m

Moon Phase	Date
 Last Quarter	6 th August
 New Moon	13 th August
 First Quarter	20 th August
 Full Moon	28 th August

NOTE: This two table above (tide prediction and moon phase) for Funafuti Island only. All Island shall be refer on their own tide calendar which provided by TMS to your Kaupule (Island council) every year. OR click on this link below to access on tide calendar of each islands (Tuvalu). <https://oceanportal.spc.int/library>