



Tuvalu Ocean Outlook



Tuvalu Meteorological Service
Member of WMO

Contacts:

General: 20736

Email: tuvmet@gmail.com

Website: www.tuvmet.tv

Issue: 35

Summary

March 2025

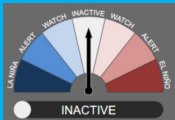
- Above normal SST 's conditions in the next 3 months over Tuvalu open waters.
- The Fisheries Convergence Zone (FCZ) is expected to nearby of its climatology position at Southern part of Tuvalu EEZ in the next three months (April to June 2025).
- Coral Bleaching Outlook predicted to be Warning for Tuvalu open waters.
- Near Normal SSH's are predicted for the next three months April to June 2025 over Tuvalu.

Issue Outline:

- Ocean Summary
- Ocean Temperature
- Fisheries Convergence Zone
- Coral Bleaching
- Sea Level Forecast

Climate Status:

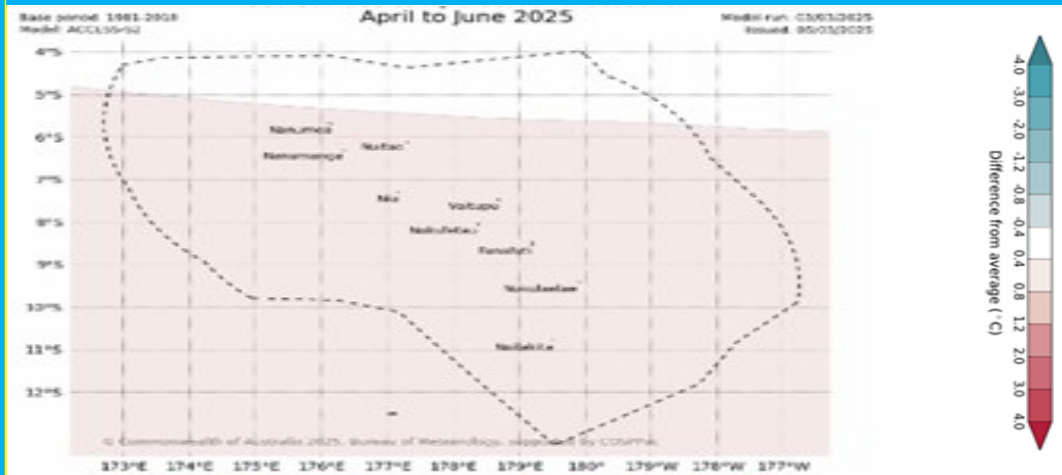
ENSO Update



Contributors:

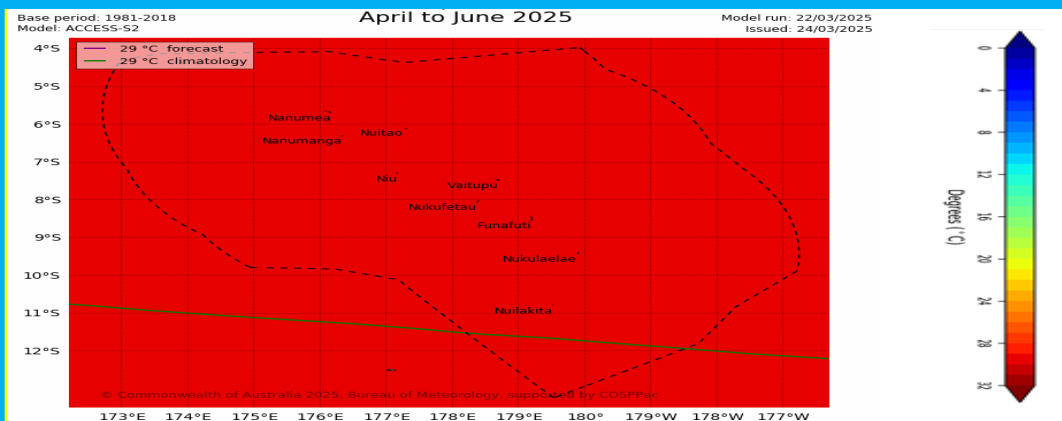
- Pacific Ocean Portal oceanportal.spc.int
- Bureau of Meteorology- ENSO Wrap-up: <http://www.bom.gov.au/climate/enso/>
- WMO GPSC(Global Produce Center) for Long-Range Forecasts
- ACCESS-S Clide access-s.clide.cloud

Sea Surface Temperature Forecast Anomaly



April to June, sea surface temperatures around Tuvalu are predicted to be 0.4 to 0.8°C above normal, except the far northern parts Tuvalu EEZ is expected to be near normal.

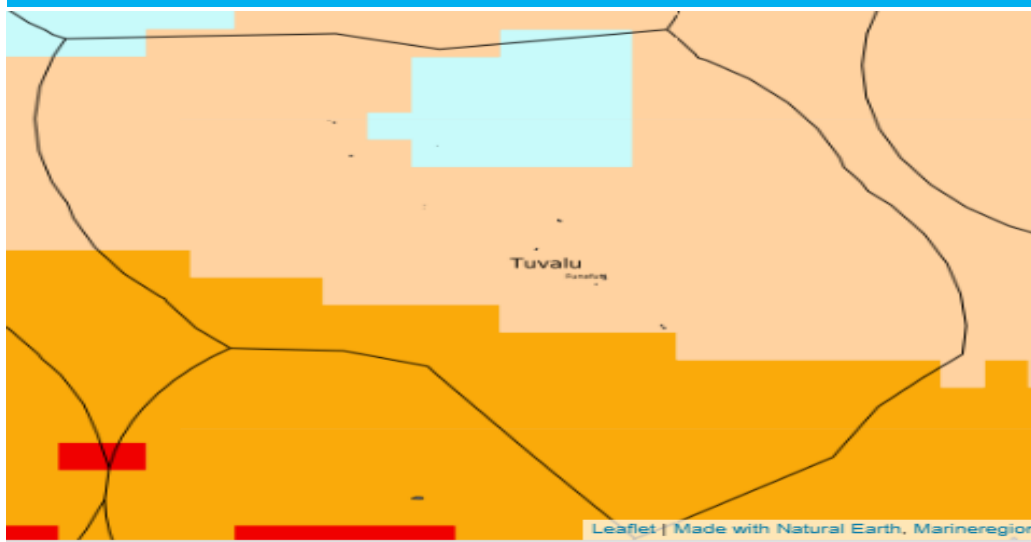
Sea Surface temperature forecast with Fisheries Convergence Zone



The Fisheries Convergence Zone (FCZ) is forecast for the month of April to June 2025 to be position to the southern parts Tuvalu EEZ of its climatology position, which is average position of the FCZ in 37 years (1981 to 2018). Fisheries Convergence Zone is where the cooler, nutrient rich water meet the warm water of the Western Pacific warm pool. Tuna particularly skipjack tuna are known to move with the EEZ and with the nutrient rich zone, abundant number of school fish could be found here.

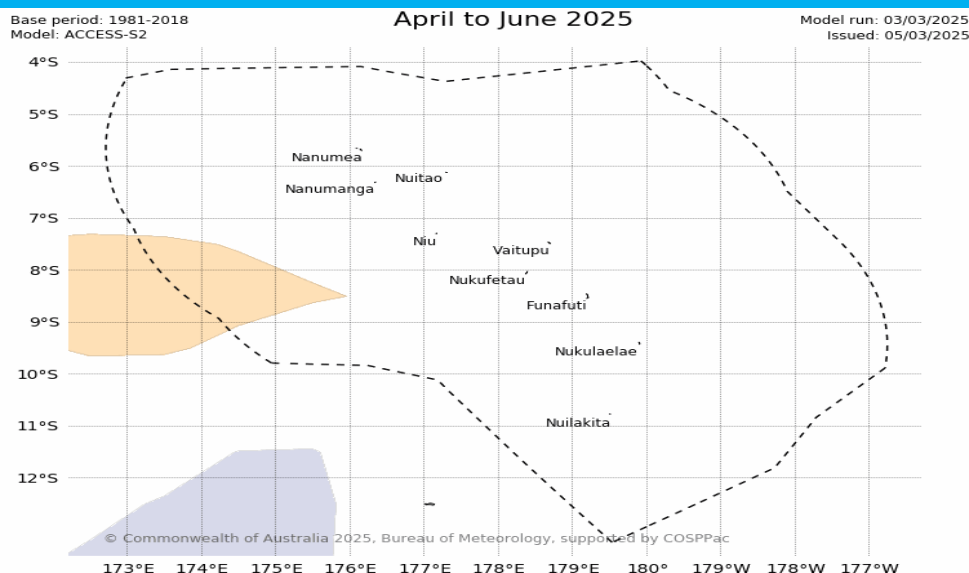
¹ Fisheries Convergence Zone is different from South Pacific Convergence Zone.

Coral Bleaching Outlook (4 weeks)



Coral Bleaching outlook indicates Watch over the northern and central groups and Warning at southern group of Tuvalu.

Seasonal Sea Level Forecast



Averaged sea surface height forecast for April to June 2025 around Tuvalu are predicted to be -30 to 30mm near normal over Tuvalu.

Funafuti Highest and Lowest Tide from April to June 2025

Date	Time(LT)	Tide Level(m)
28/04/25	04:56	3.23
28/04/25	11:16	1.07
27/05/25	04:39	3.12
27/05/25	11:07	1.09
26/06/25	05:21	3.01
26/06/25	11:52	1.10

The highest (spring tide) and lowest tides of the month during **April to June 2025** are listed in the table on the left. (NB): For out islands refers to your own tide calendar provided by the Tuvalu Meteorological Service or utilize the Tide Apps available on Play-Store.

The predicted tide levels may be different from the observed tide levels due to weather phenomenon such as low/high pressure systems; South Pacific Convergence Zone (SPCZ); El Nino Southern Oscillation (ENSO) - El Nino/La Nina.

The higher tide level coupled with higher than normal sea levels for Tuvalu could cause inundation low lying areas. For preparedness, coastal communities should be caution at all times, as higher tide level could caused result in serious inundation if coincides with a meteorological system, which may have impact on agriculture, infrastructure and daily activities.

¹ Fisheries Convergence Zone is different from South Pacific Convergence Zone.