



Tuvalu Ocean Outlook



Tuvalu Meteorological Service
Member of WMO

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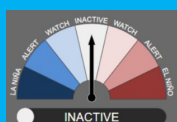
Website: www.tuvmet.tv

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

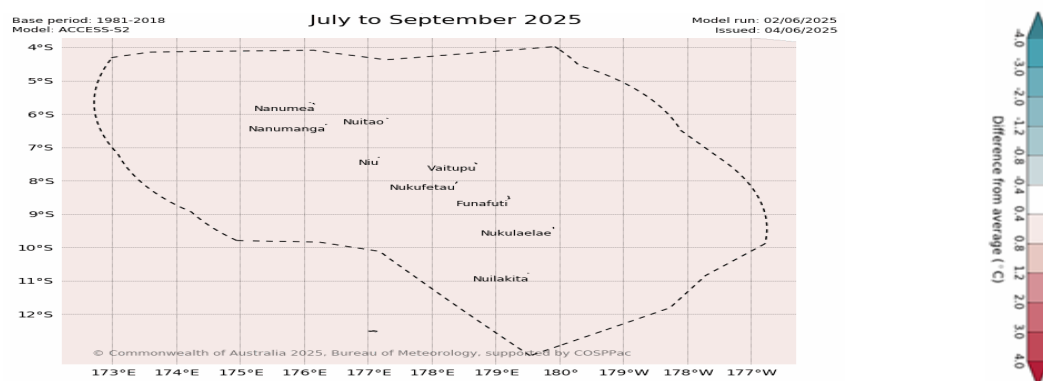
Issue: 38

Summary

June 2025

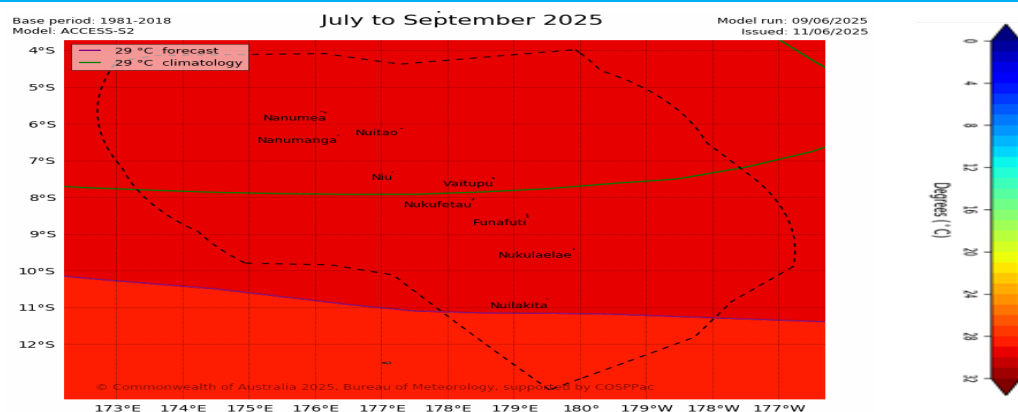
- Above normal SST 's conditions in the next 3 months over Tuvalu open waters.
- The Fisheries Convergence Zone (FCZ) is expected of its climatology position at central part of Tuvalu EEZ in the next three months (July to September 2025).
- Coral Bleaching Outlook predicted to be No thermal stress for Tuvalu open waters.
- Near normal to below normal SSH's are predicted for the next three months July to September 2025 over Tuvalu.
- Lowest tide of the year will be peaked on 08th September 2025 at 11:13 am local time.

Sea Surface Temperature Forecast Anomaly



July sea surface temperatures and averaged over July to September around Tuvalu are predicted to be 0.4 to 0.8°C above normal.

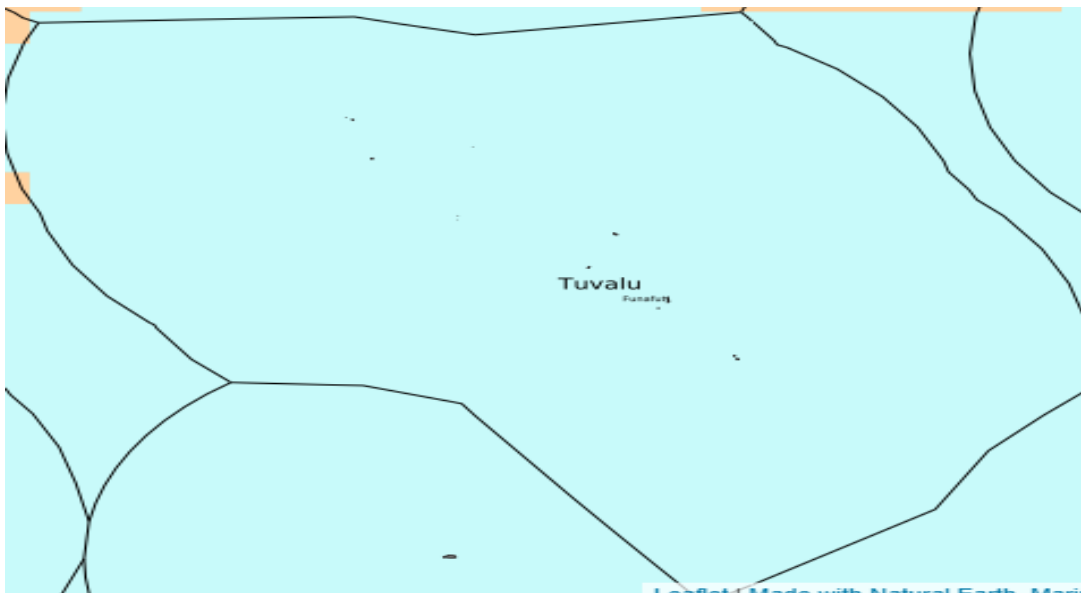
Sea Surface temperature forecast with Fisheries Convergence Zone



The Fisheries Convergence Zone (FCZ) is forecast for the month of **July to September 2025** to be position to the central group 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.

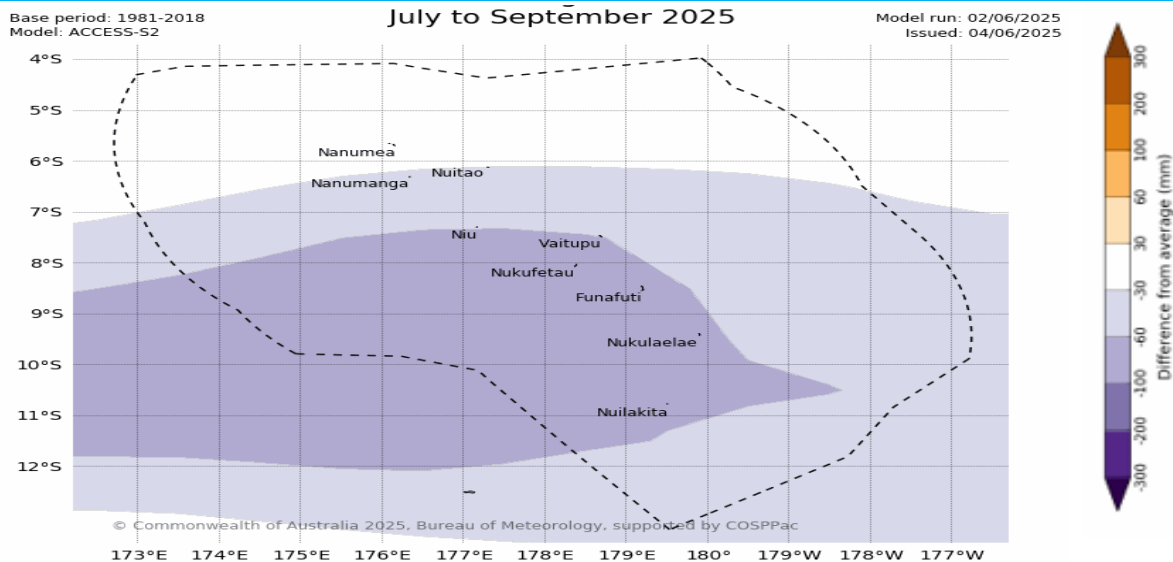
¹ Fisheries Convergence Zone is different from South Pacific Convergence Zone.

Coral Bleaching Outlook (4 weeks)



Coral Bleaching outlook indicates No thermal stress over Tuvalu.

Seasonal Sea Level Forecast



July to September 2025, sea levels around Tuvalu are predicted to be -30 to -60mm below normal, excepts Nanumea is predicted to be near normal. In the central and southern groups are predicted to be -60 to -100mm below normal.

Funafuti Highest and Lowest Tide from July to September 2025

Date	Time(LT)	Tide Level(m)
25/07/25	05:12	2.99
25/07/25	11:38	1.09
11/08/25	06:00	3.00
11/08/25	12:18	1.11
08/09/25	04:58	3.08
08/09/25	11:13	1.04

The highest (spring tide) and lowest tides of the month during **July to September 2025** are listed in the table on the left. As an important information the lowest tide of the 2025 will be peaked on 8th September 2025, highlighted blue in the table.

(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.