



# TUVALU OCEAN & FISHERIES OUTLOOK



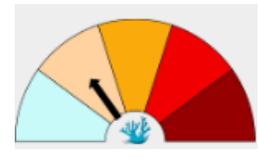
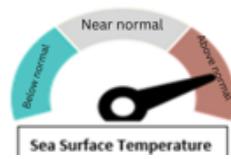
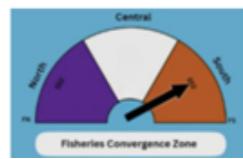
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## SUMMARY

February 2026

### Issue Outline:

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



Further north

Below Normal

Above Normal

Above Normal

Watch

## EL NINO SOUTHERN OSCILLATION (ENSO) UPDATE



### IMPACTS

#### LA NINA

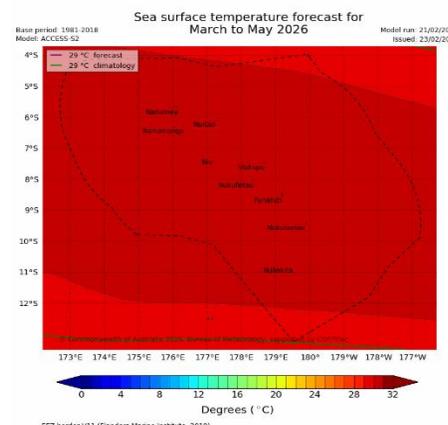
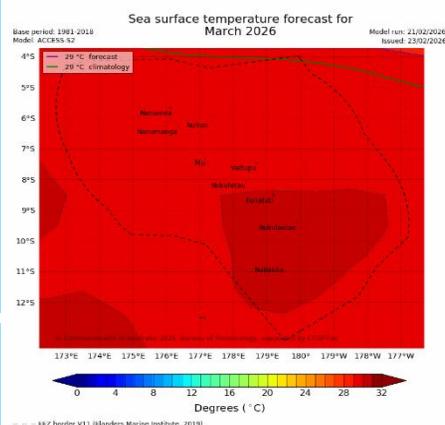
- Cooler Sea Surface Temperature
- Less Rainfall
- Moderate to strong trade winds

#### EL NINO

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

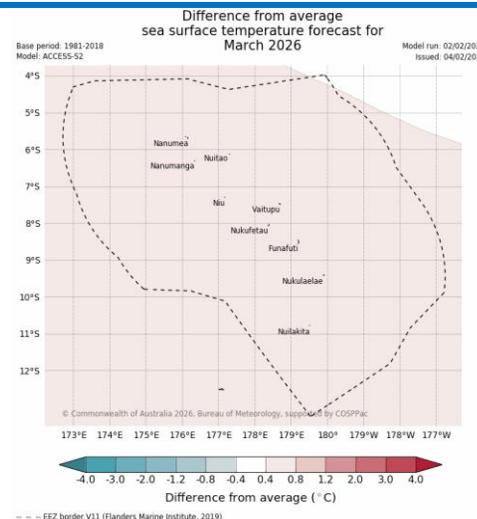
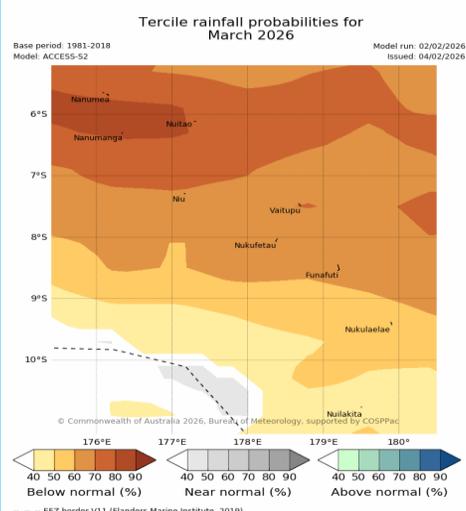
La Niña Watch continue weaken in the Tropical Pacific

## FISHERIES CONVERGENCE ZONE (FCZ) MONTHLY & SEASONAL (March and March to May 2026)



- The FCZ for March, is forecast to lie further north of Tuvalu EEZ and its normal position for March.
- The FCZ for the next three months, March to May 2026, is forecast to be located further south outside of Tuvalu EEZ, and its climatological position.
- Note: Lagoon temperatures may be higher than temperatures forecast for the open ocean.

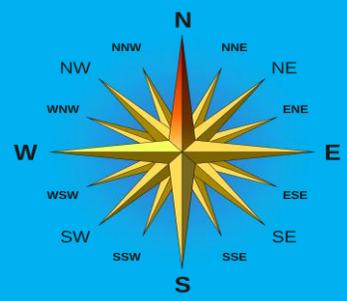
## RAINFALL AND SEA SURFACE TEMPERATURE MONTHLY (March 2026)



- Higher chance of Below Normal rainfall over Tuvalu.
- SSTs around Tuvalu Island are forecast to be between -0.4 degrees and 0.8 degrees above average.

### Contributors:

- Pacific Ocean Portal
- Bureau of Meteorology
- ACCESS-S
- PACIFIC TIDE Calendar
- Earth Sciences New Zealand



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Tuvalu Meteorological Service

- <http://www.bom.gov.au/climate/ens0/?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

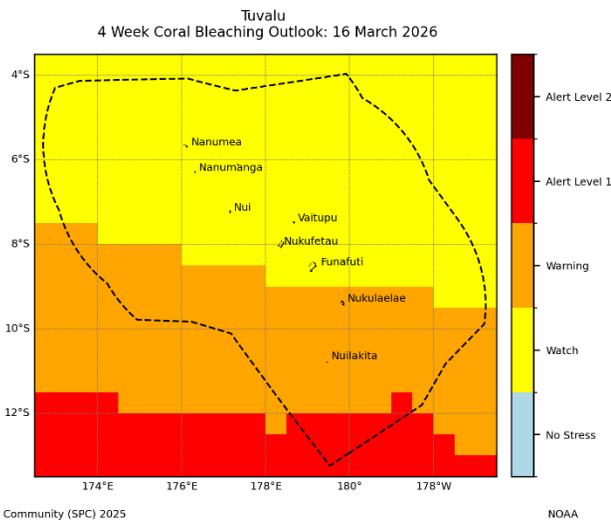
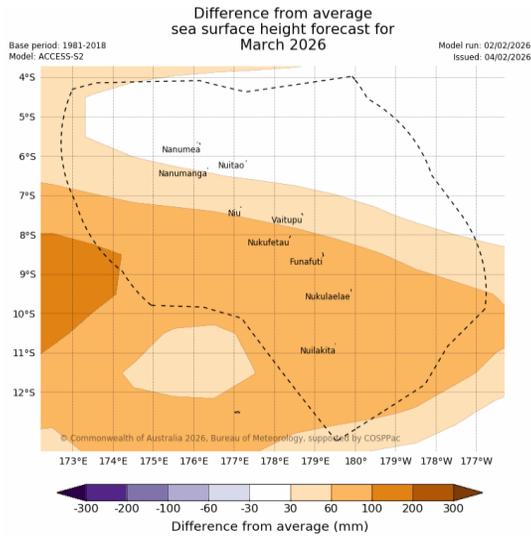


Tide App



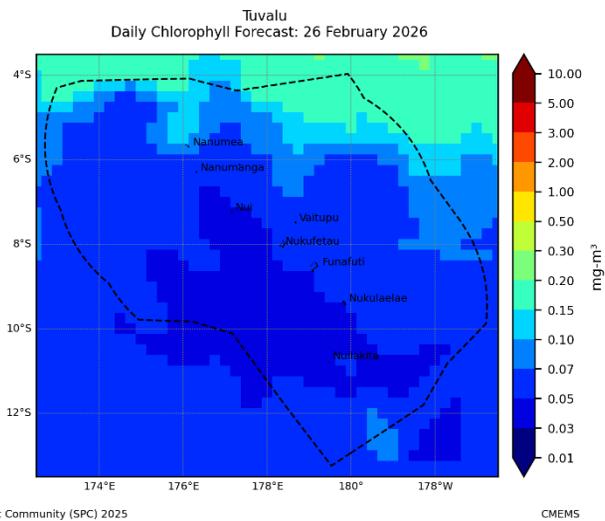
Real time display

## SEA SURFACE HEIGHT (SSH) AND CORAL BLEACHING OUTLOOK MARCH 2026



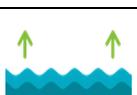
- Sea surface height (difference from the average) for Nui, Vaitupu, Nukufetau, Funafuti, Nukulaelae and Niulakita is forecast to be between 30-100 (mm), higher than the average, whereas for Nanumea, Nanumanga and Niutao are within the -30 to 30 (mm) difference from the average.
- Coral Bleaching Outlook shows on Watch over northern and central groups, but at southern groups indicated on Warning.

## CHLOROPHYLL CONCENTRATION DAILY



- A little concentration of chlorophyll further north EEZ of Tuvalu.

## TIDE PREDICTION AND MOON PHASE Monthly (March 2026)

Tides	Date	Time	Level
 1 <sup>st</sup> Highest Tide (KING TIDE)	3 <sup>rd</sup> March	(17:11)	3.16m
 19 <sup>th</sup> Lowest Tide	3 <sup>rd</sup> March	(17:15)	1.17m
 2 <sup>nd</sup> Highest Tide	19 <sup>th</sup> March	(17:15)	3.15m
 2 <sup>nd</sup> Lowest Tide	19 <sup>th</sup> March	(23:27)	1.17m

Moon Phase	Date
 Full Moon	3 <sup>rd</sup> March
 Last Quarter	26 <sup>th</sup> March
 New Moon	19 <sup>th</sup> March
 First Quarter	11 <sup>th</sup> March