



# TUVALU OCEAN & FISHERIES OUTLOOK



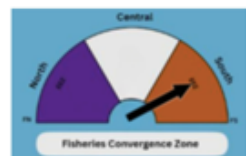
Version: 9

## SUMMARY

April 2026

### Issue Outline:

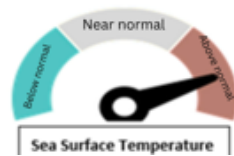
- Summary
- ENSO update
- FCZ (Monthly & Seasonal)
- Rainfall & SST's
- Sea Surface Height
- Tides & Moon Phases



Further south



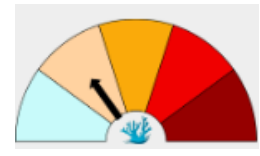
Below Normal



Above Normal

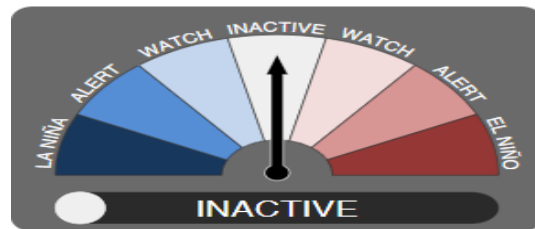


Above Normal



Watch

## EL NINO SOUTHERN OSCILLATION (ENSO) UPDATE



The 2025-26 La Nina has ended. Collectively, oceanic and atmospheric indicators of the El Nino– Southern Oscillation (ENSO) reflect an neutral conditions.

## IMPACTS

### LA NINA

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

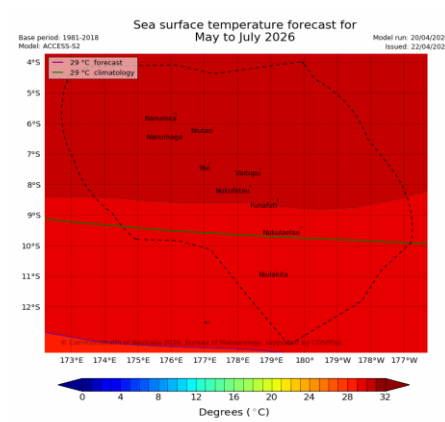
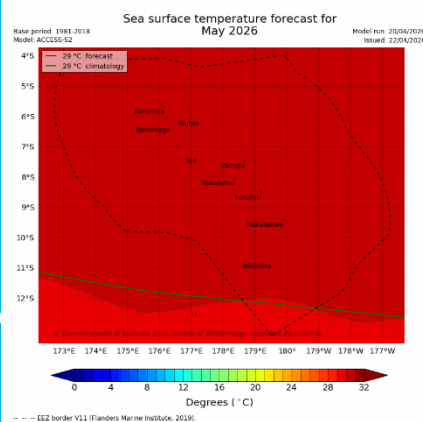
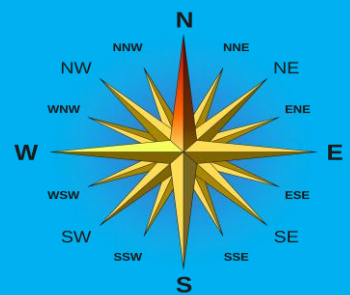
### EL NINO

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

### Contributors:

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

## FISHERIES CONVERGENCE ZONE (FCZ) MONTHLY & SEASONAL (MAY & MAY TO JULY 2026)

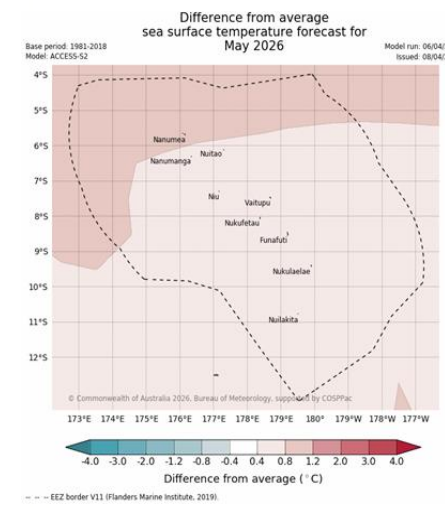
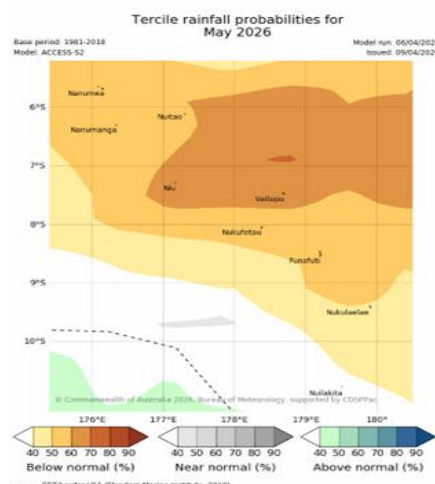


- The FCZ for May 2026, is forecast to lying further South of Tuvalu EEZ of its normal position for May.
- The FCZ for the nex three months, May to July 2026, is forecast to be located in the south of Tuvalu EEZ, of its climatological position .
- Note: Lagoon temperatures may be higher than temperatures forecast for the open ocean.

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Tuvalu Meteorological Service

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



- High chance of Below Normal rainfall over Nanumea, Nanumaga, Niutao, Nui, Vaitupu, Nukufetau, Funafuti and Nukulaelae.
- High Chance of Near normal rainfall over Niulakita
- SSTs around Tuvalu Island are forecast to be between 0.4 degrees and 1.2 degrees above average.

- <http://www.bom.gov.au/climate/ens0/?ninoIndex=nino3.4&index=nino34&period=weekly>
- <https://access-s.slide.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

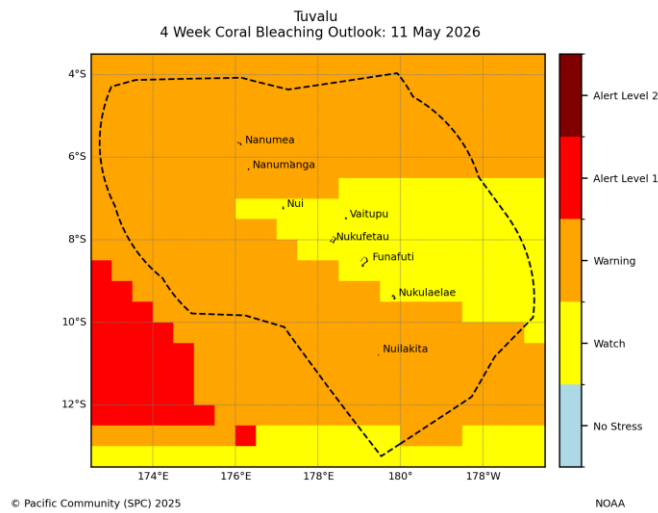
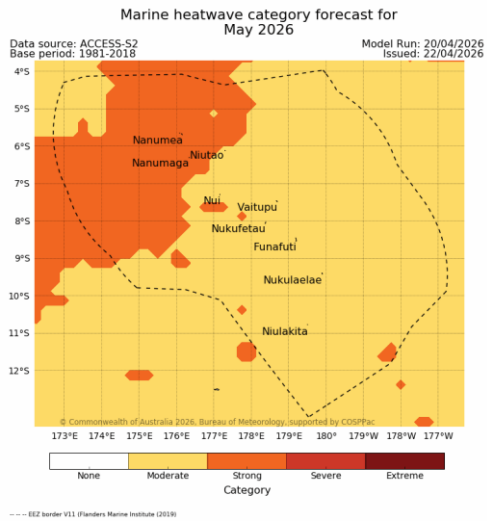


Tide App



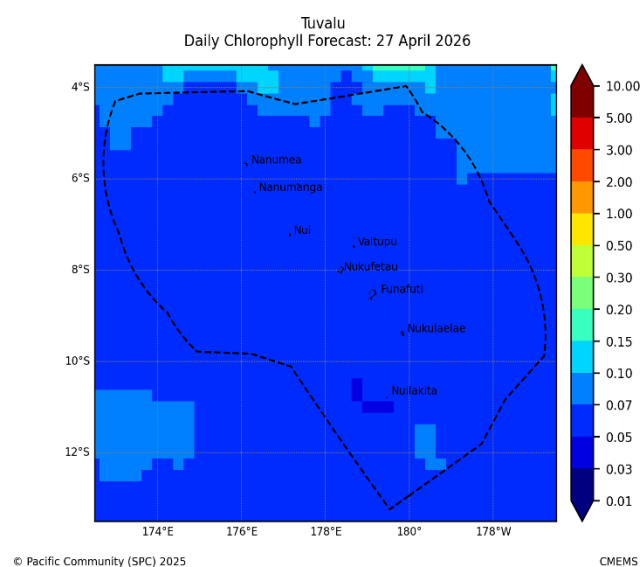
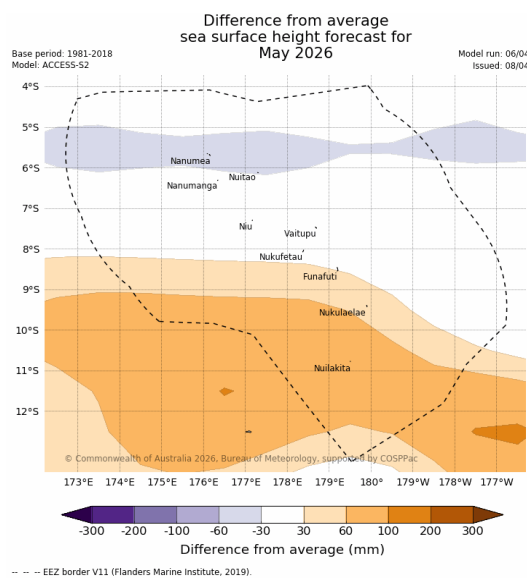
Real time display

## MARINE HEAT WAVE AND CORAL BLEACHING OUTLOOK MAY 2026




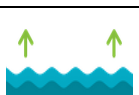
- Marine heatwaves in the Strong category are forecast to develop over Nanumea, Nanumaga and Niutao. While, Moderate category for Nui, Vaitupu, Nukufetau, Funafuti, Nukulaelae and Niulakita. There maybe medium impacts on ocean ecosystems, including stress on marine organisms, species migration, and algal blooms in locations during April 2026.
- Coral Bleaching Outlook shows on Watch over Nui, Vaitupu, Nukufetau, Funafuti and Nukulaelae. Warning category for Nanumea, Nanumaga, Niutao and Niulakita.

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



- Sea surface height (Different from the average) for Funafuti, Nukulaelae and Niulakita is forecast to be between 30-100 (mm), higher than the average.
- Sea surface height for Nanumea, and Niutao are forecast to be less than the average for this time of year -30 to -60 (mm).
- Nanumaga, Nui, Vaitupu and Nukufetau SSH's is forecast to be average during May 2026.
- A little concentration of chlorophyll located further north nearby the EEZ of Tuvalu.

## TIDE PREDICTION AND MOON PHASE MONTHLY(MAY 2026)

| Tides  | Date                         | Time                 | Level         |
|--|------------------------------|----------------------|---------------|
|  | 1 <sup>st</sup> Highest Tide | 17 <sup>th</sup> May | (04:50) 3.14m |
|  | 1 <sup>st</sup> Lowest Tide  | 17 <sup>th</sup> May | (11:16) 1.10m |
|  | 2 <sup>nd</sup> Highest Tide | 19 <sup>th</sup> May | (06:28) 3.05m |
|  | 2 <sup>nd</sup> Lowest Tide  | 19 <sup>th</sup> May | (13:00) 1.19m |

| Moon Phase  | Date                 |
|---|----------------------|
|  Full Moon     | 2 <sup>nd</sup> May  |
|  Last Quarter  | 10 <sup>th</sup> May |
|  New Moon      | 17 <sup>th</sup> May |
|  First Quarter | 23 <sup>th</sup> May |

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>