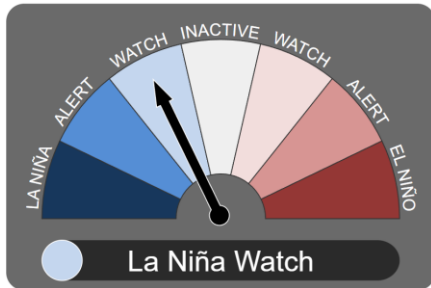


February Climate Bulletin for Fisheries

A monthly bulletin issued by the Vanuatu Meteorology & Geo-hazards Department that provides concise one-month outlook on climatic conditions over Vanuatu that the fisheries sector can use for better decision-making.

El Niño–Southern Oscillation (ENSO)

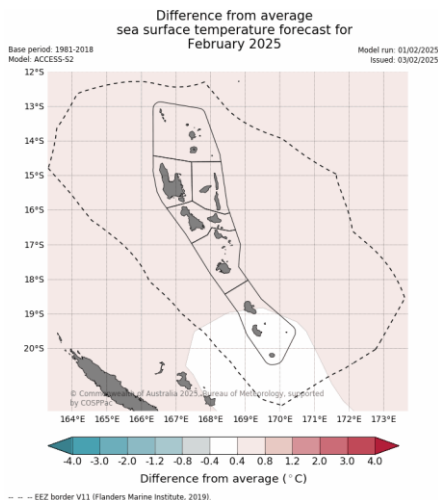


ENSO status is now in La Niña Watch. Indicators are within ENSO-neutral thresholds, but there are signs a La Niña may develop in the following months. Rainfall and temperatures are neither enhanced nor diminished during the Neutral phase.

Status blong ENSO i stap naolia long La Niña. Olgeta Indiketa oli stap insaed long ENSO-neutral threshold, be i gat saen se wan La Niña i save fom long olgeta manis we oli stap kam ia. Renfol mo tempereja oli no develop mo oli no go daon long taem blong Nutrol pat.

ENSO est désormais en phase de veille du phénomène La Niña. Les indicateurs se situent dans les seuils de neutralité ENSO, mais des signes indiquent qu'une La Niña pourrait se développer dans les mois à venir. Les précipitations et les températures ne sont ni augmentées ni diminuées pendant la phase neutre..

Sea Surface Temperature Forecast

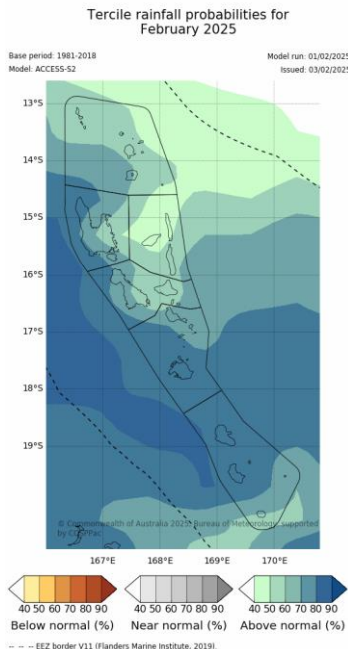


Sea surface temperature is expected to be 0.4-0.8°C warmer for the whole country.

Tempereja long seves blong solwota I save kasem 0.4 – 0.8°C wom lo ful kaontri.

La température de la surface de la mer devrait être plus élevée de 0,4 à 0,8°C dans l'ensemble du pays.

Rainfall Outlook



Rainfall is predicted to be above normal over the whole country, with high confidence particularly in the southern half of the country.

Renfol bae I save bitim nomol lo ful kaontri, wetem bikfala confidence lo haf south pat blong kaontri.

Les précipitations devraient être supérieures à la normale sur l'ensemble du pays, avec un niveau de confiance élevé, en particulier dans la moitié sud du pays.

SUPPORTED BY:



Fisheries Department of Vanuatu



Australian Government
Bureau of Meteorology

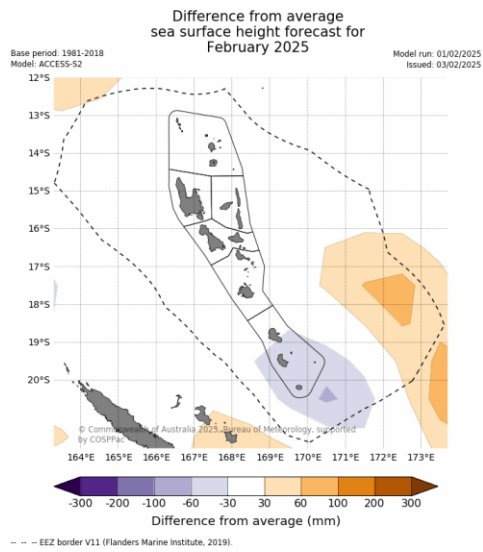


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Sea Level Forecast

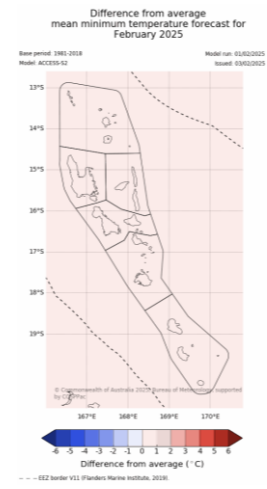
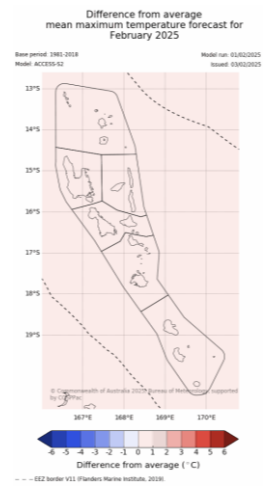


The whole country is expected to have near normal sea level heights this month apart from Tafea province which is expected to be 30-60cm lower.

Bambae level blong hait blong solwota long ful kaontri i stap kolosap long nomol lo manis ia except long Tafea provins wei save stap bilow 30-60cm.

L'ensemble du pays devrait avoir des hauteurs de niveau de la mer proches de la normale ce mois-ci.

Maximum and Minimum Temperature Outlook



- Above average (1°C) day-time temperatures are expected across the country this month.
- Tempereja long dei taem bae i stap antap long averej (1°C) raon long kaontri long manis ia.
 - Des températures diurnes supérieures à la moyenne (1°C) sont attendues dans tout le pays ce mois-ci.
- Above average (1-2°C) night-time temperatures are expected across the country this month.
- Tempereja long naet taem bae i stap antap long averej (1-2°C) raon long kaontri long manis ia.
 - Des températures nocturnes supérieures à la moyenne (1-2°C) sont attendues dans tout le pays ce mois-ci.

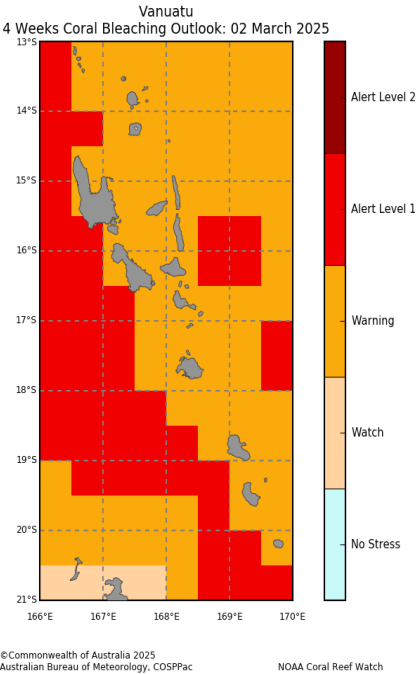
Tide Outlook for February

Port Vila Harbour					
Lowest Tide	Date	Time (VUT)	Highest Tide	Date	Time (VUT)
0.24m	27 Feb	11:46pm	1.54m	28 Feb	5:55pm

Luganville Harbour					
Lowest Tide	Date	Time (VUT)	Highest Tide	Date	Time (VUT)
0.16m	27 Feb	10:56pm	1.84m	28 Feb	5:00pm

Moon Phases for February

Fes Kwata	Ful Moon	Las Kwata	Niu Moon
5 February	13 February	21 February	28 February

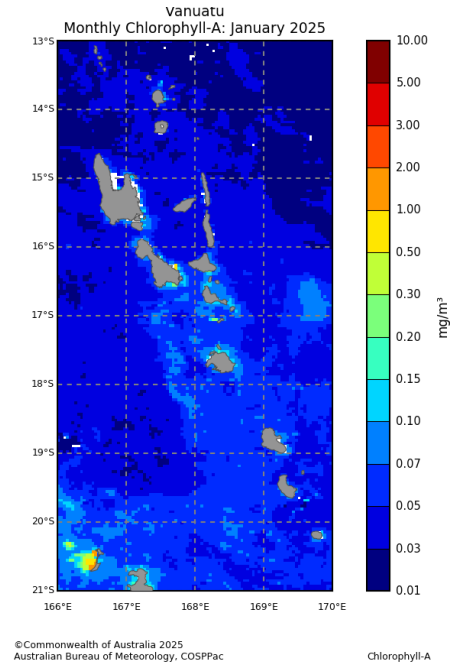


Coral Bleaching Outlook

Most of the country is at a coral bleaching warning level for the rest of February into early March.

Ful kaontri i stap long woning level long saed blong korol blijing, long ful February ia kasem Maj.

La majeure partie du pays est à un niveau d'alerte de blanchiment des coraux pour le reste de février jusqu'au début mars.



Chlorophyll A status from January 2025

Chlorophyll concentrations from January show low values in the oceans surrounding the country, with coastal concentrations reaching a maximum of 0.3-1.0mg/m3 particularly off the east coast of Malekula.

Level blong Chlorophyll i soem se emi low long manis Januari long solwora raon long kaontri, wetem amaoon we i kasem maximam blong 0.3 – 1.0 mg/m3 long east coast blong Malekula.

Les concentrations de chlorophylle de janvier montrent de faibles valeurs dans les océans entourant le pays, avec des concentrations côtières atteignant un maximum de 0,3-1,0 mg/m3, en particulier au large de la côte est de Malekula.

Bulletin Highlights for February 2025

ENSO:	La Niña Watch	Max Temp:	↑
SST:	↑	Min Temp:	↑
Rainfall:	↑	Coral Bleaching:	↑
Sea Level:	↓	Chlorophyll:	↓

Climate Smart Recommendations for Fisheries Sector

			Offshore fisheries	Lagoon fisheries
EL Nino Southern Oscillation (ENSO)	El Nino La Nina			
Sea Surface Temperatures	Further South	- Higher likelihood of warmer water tuna species skipjack and yellow fin. - Fish on warm side of SST fronts for natural biological hotspots.		
Sea Level	> 200 mm < - 200 mm			
Rainfall	Above normal Below normal			
Maximum and Minimum Temperature	Above average Below average			
Coral Bleaching Level	Warning Alert 1 Alert 2			- Reduce storm water and fertilizer runoff - Avoid using herbicides and pesticides - When anchoring boats, avoid anchoring near places with coral reefs - Encourage offshore fishing to alleviate stressors in the lagoon.
Chlorophyll	Above normal	Likely higher stocks for smaller pelagic fish		- Higher risks of lagoon fish disease, encourage offshore fishing - Limit nutrient runoff & monitor for algal blooms - Target high chlorophyll regions for crown of thorns starfish management activities
High and Low Tides	High Tide Low Tide			
Moon Phases	First Quarter Full moon Last Quarter New Moon			

For more info, contact us:

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