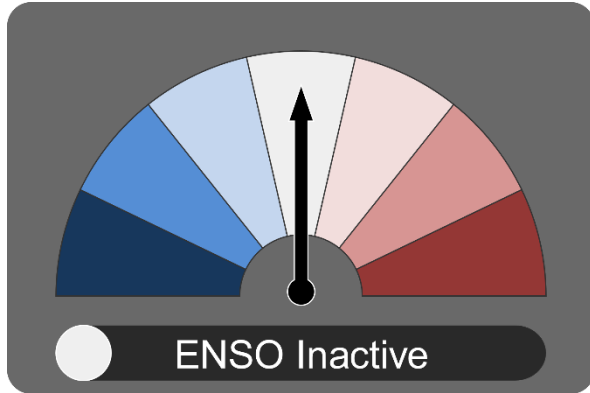


A monthly bulletin issued by the Vanuatu Meteorology & Geo-hazards Department that provides concise one-month outlook on climatic conditions over Vanuatu that the fisheries sector can use for better decision-making.

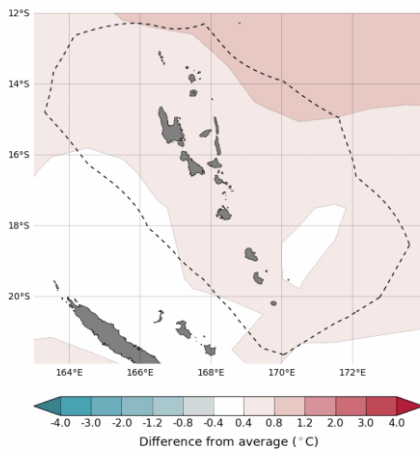
El Niño–Southern Oscillation (ENSO)



ENSO status is now in Neutral. Rainfall and temperatures are neither enhanced nor diminished during the Neutral phase.

Naoia stetas blo ENSO hemi stap lo nutrol. Long taem blong wan nutrol Phase blong ENSO, Renfol mo Trepreja blong solwota oli save go antap or santaem oli save godaon plante.

Difference from average sea surface temperature forecast for May 2024



Base period: 1981-2018
Model: ACCESS-S2
© Commonwealth of Australia 2024, Australian Bureau of Meteorology
Shapefile data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <http://www.marinerregions.org/>

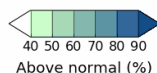
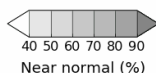
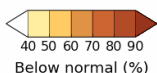
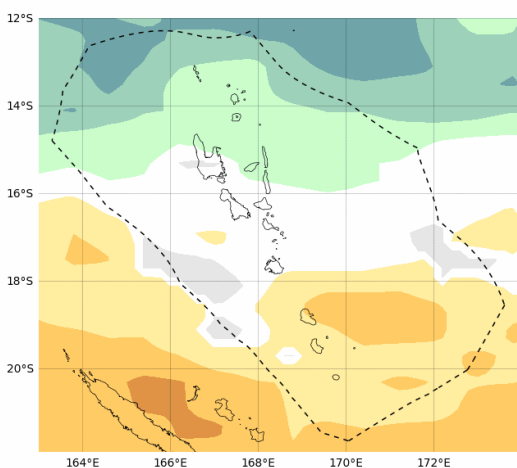
Model run: 27/04/2024
Issued: 29/04/2024

Sea Surface Temperature Forecast

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

Trepreja blong solwota hemi save kasem 0.4-0.8°C, solwota baembae oli save wom plante lo everi aelan blong Vanuatu.

Tercile rainfall probabilities for May 2024



Base period: 1981-2018
Model: ACCESS-S2
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Shapefile data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <http://www.marinerregions.org/>

Model run: 27/04/2024
Issued: 29/04/2024

Rainfall Outlook

Rainfall is predicted to be below normal in Tafea province, above normal in Torba and Penama province.

I kat lukluk se bae ol renfol lo Tafea Profins bambae oli stap bilou long nomol mo bambae Torba mo Penama bae kasem ol Abav nomol renfol.

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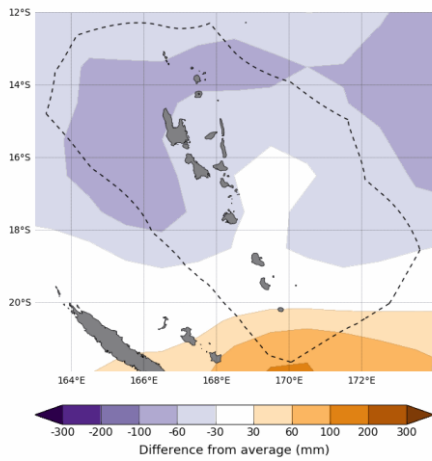


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Difference from average sea surface height forecast for May 2024



Base period: 1981-2018
 Model: ACCESS-S2
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 (Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <http://www.maritimeregions.org/>)
 Model run: 27/04/2024
 Issued: 29/04/2024

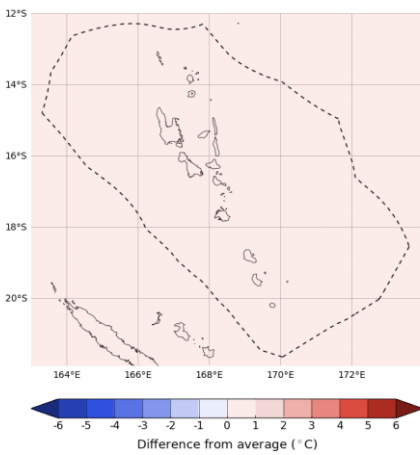
Sea Level Forecast

Most of the country is expected to have lower than normal sea surface heights of up to 100mm in Torba province. Tafea province is expected to have normal sea level heights.

Level blong solwota bambae hemi save godaon plante bitim nomol long Torba profins wetem wan hae blong 100mm, mo bambae hemi nomol long Tafea Profins.

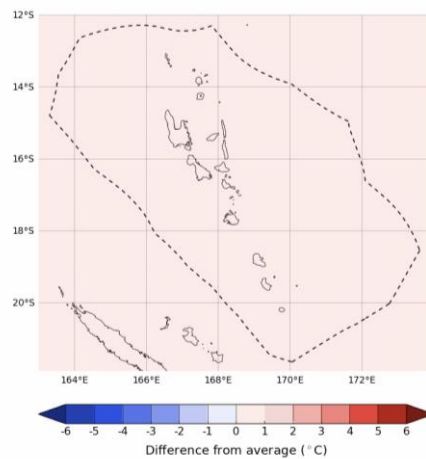
Maximum and Minimum Temperature Outlook

Difference from average mean maximum temperature forecast for May 2024



Base period: 1981-2018
 Model: ACCESS-S2
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 (Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <http://www.maritimeregions.org/>)
 Model run: 27/04/2024
 Issued: 29/04/2024

Difference from average mean minimum temperature forecast for May 2024



Base period: 1981-2018
 Model: ACCESS-S2
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 (Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <http://www.maritimeregions.org/>)
 Model run: 27/04/2024
 Issued: 29/04/2024

Slightly above average (0-1°C) day-time temperatures are expected across the country this month.
 - *Long manis ya May, Tempreja blong dei bae wom lelebet bitim nomol wetem wan diffrens blong 0-1°C.*

Slightly above average (0-1°C) night-time temperatures are expected across the country this month.
 - *Long manis ya May, Tempreja blong naet bae wom lelebet bitim nomol wetem wan diffrens blong 0-1°C.*

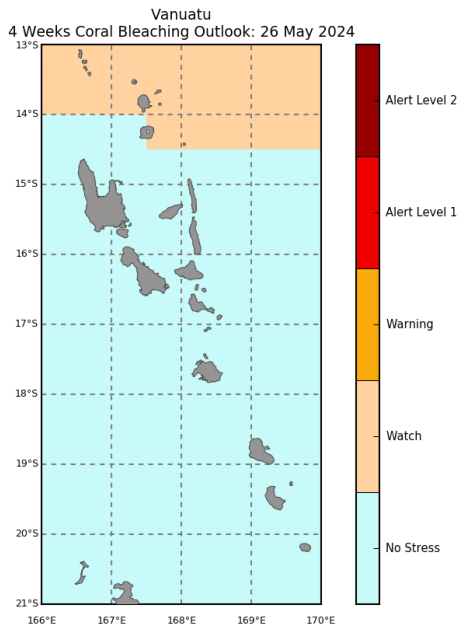
Tide Outlook for May

Port Vila Harbour					
Lowest Tide	Date	Time (VUT)	Highest Tide	Date	Time (VUT)
0.13m	9 May	12:41pm	1.53m	8 May	5:10am

Luganville Harbour					
Lowest Tide	Date	Time (VUT)	Highest Tide	Date	Time (VUT)
0.15m	9 May	11:51am	1.78m	8 May	4:20am

Moon Phases for May

Fes Kwata	Ful Moon	Las Kwata	Niu Moon
15 May	24 May	31 May	8 May



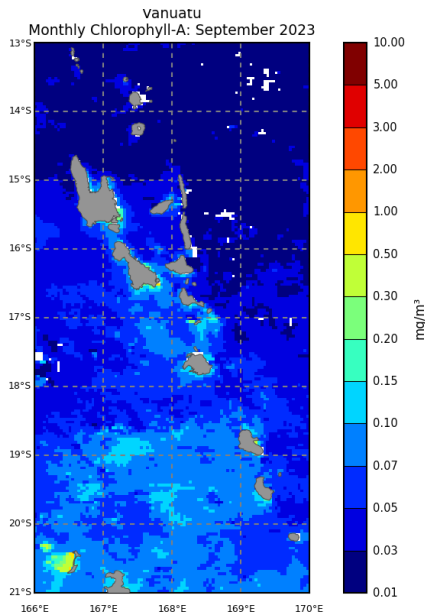
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NOAA Coral Reef Watch

Coral Bleaching Outlook

A Watch is in place for Torba province while the rest of the country is at No Stress.

Watch alert hemi stap long Torba Profins mo NO Stress alert hemi stap lo efri nara pat blong kaontri.



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Chlorophyll-A

Chlorophyll A status from Sep 2023

Chlorophyll concentrations from September were low especially in the northern islands. Pockets of higher concentrations were found at the southern coasts of Espiritu Santo and Malakula, reaching 0.30mg/m³.

Level blong Klorofil since Septemba hemi low long noten aelans. Klorofil I hae lelebet (0.30mg/m³) long soaten pat blong Santo aelan mo Malekula.

Bulletin Highlights for May 2024

ENSO:	Neutral	Max Temp:	↑
SST:	↑	Min Temp:	↑
Rainfall:	–	Coral Bleaching:	↓
Sea Level:	↓	Chlorophyll:	–

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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		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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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