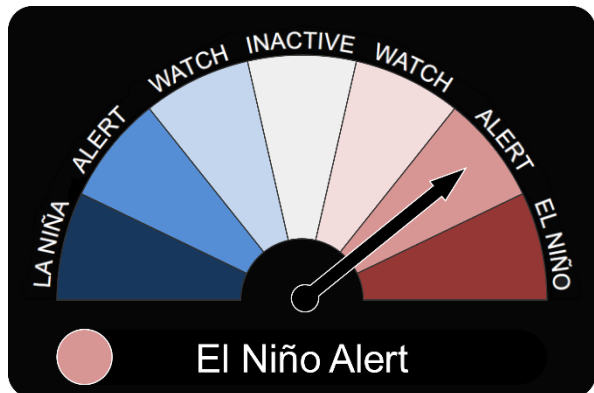


July Climate Bulletin for Tourism

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

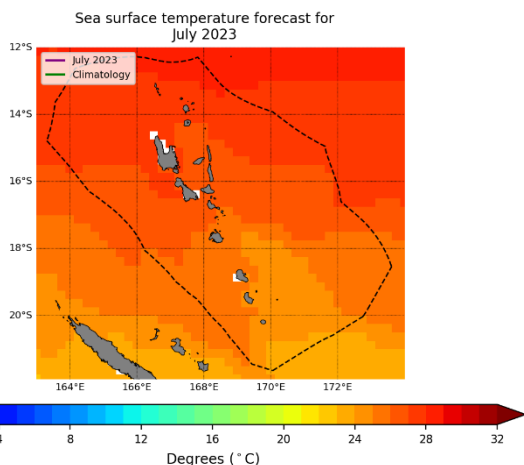
El Niño–Southern Oscillation (ENSO)



ENSO status is neutral with an El Niño ALERT in place. This means there is a high chance of an El Niño occurring this year. El Niño events typically increase the chance of below average rainfall in Vanuatu.

El Niño Saoten Osileisen hemi stap long NUTREL. Be aotluk istap long El Niño ALERT. Hemia I minim se I kat bigfala Janis blo wan El Niño I fom lo yia ya. Lo taim blo El Niño Janis blo kasem ren hemi godown Plante bitim avarej.

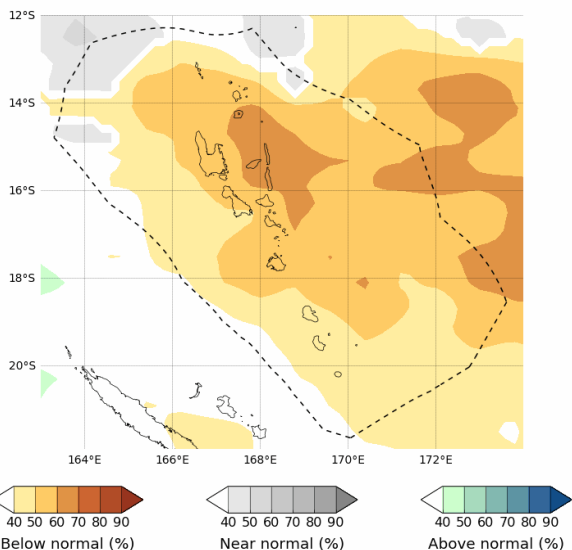
Sea Surface Temperature Forecast



Sea surface temperatures are expected to be above 25°C for most of the country, and up to 28°C in northern islands.

Tempreja blong solwora bambae I kasem 28 °C lo olgeta noten aelans mo 25°C lo efri nara aelan lo Vanuatu.

Tercile rainfall probabilities for July 2023



Rainfall Outlook

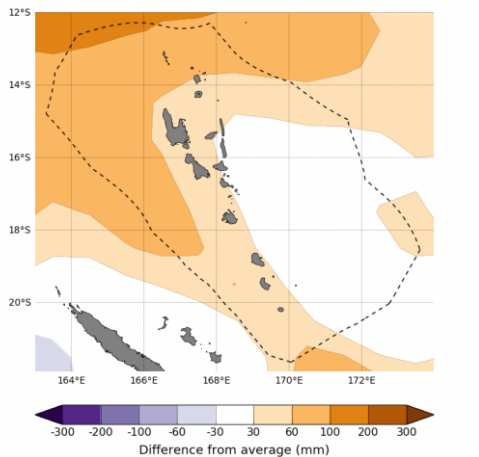
Rainfall is likely to be below average for all islands this month, with higher confidence for Torba, Penama and Shefa provinces.

I kat Janis blo kasem ol bilou nomol renfol lo manis blo julae, lo full kaontri.wetem bilou nomol renfol ya, I kat hae lukluk se bae happen mo nao lo TORBA, PENAMA mo SHEFA.

SUPPORTED BY:



Difference from average sea surface height forecast for July 2023



Base period: 1981-2018
 Model: ACCESS-S2
 © Commonwealth of Australia 2023, Australian Bureau of Meteorology
 (Shapefile data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2019M), version 11. Available online at <http://www.marine.gov.au>)
 Model run: 26/06/2023
 Issued: 28/06/2023

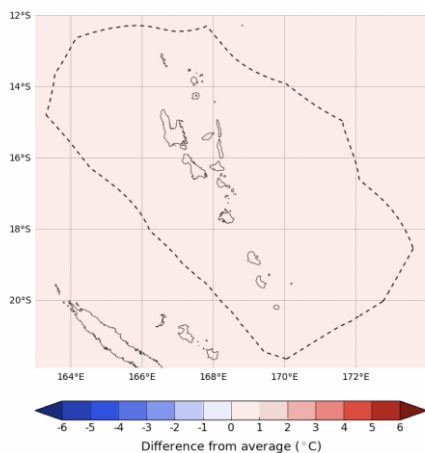
Sea Level Forecast

Sea level is likely to be higher than normal with 3-6cm higher sea levels throughout the majority of the country.

Level blong solwota bae save hae bitim nomol wetem ol difrens blong 3cm kasem 6cm long ful kaontri.

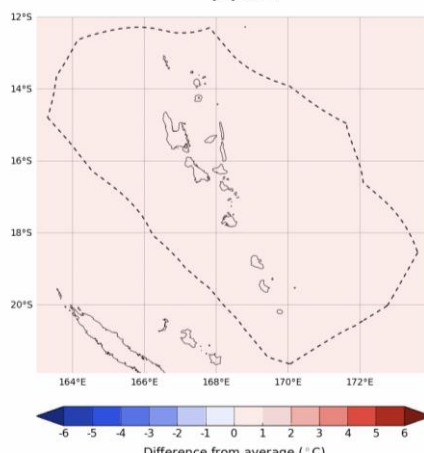
Maximum and Minimum Temperature Outlook

Difference from average mean maximum temperature forecast for July 2023



Base period: 1981-2018
 Model: ACCESS-S2
 © Commonwealth of Australia 2023, Australian Bureau of Meteorology
 (Shapefile data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2019M), version 11. Available online at <http://www.marine.gov.au>)
 Model run: 26/06/2023
 Issued: 29/06/2023

Difference from average mean minimum temperature forecast for July 2023



Base period: 1981-2018
 Model: ACCESS-S2
 © Commonwealth of Australia 2023, Australian Bureau of Meteorology
 (Shapefile data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2019M), version 11. Available online at <http://www.marine.gov.au>)
 Model run: 26/06/2023
 Issued: 29/06/2023

Slightly above average (0-1°C) day-time temperatures are expected over the country. Slightly above average (0-1°C) night-time temperatures are expected over the country.

Tempreja blong dei mo nait hemi stap go down mo ples I stap kolkol be ol klaemet model oli stap soem se Tempreja blo dei mo nait hemi still stap yet abav lo avarej, wetem difrens blong 0-1°C..

Tide Outlook for July

Port Vila Harbour

Lowest Tide	Date	Time (VUT)	Highest Tide	Date	Time (VUT)
0.04m	5 July	1:16pm	1.47m	4 July	5:28am

Luganville Harbour

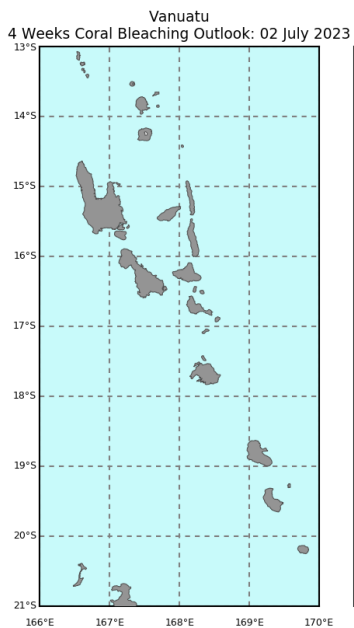
Lowest Tide	Date	Time (VUT)	Highest Tide	Date	Time (VUT)
0.07m	4 July	11:43am	1.78m	4 July	4:46am

Moon Phases for July

Fes Kwata	Ful Moon	Las Kwata	Niu Moon
26 July	3 July	10 July	18 July

SUPPORTED BY:





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Australian Bureau of Meteorology, COSPPac

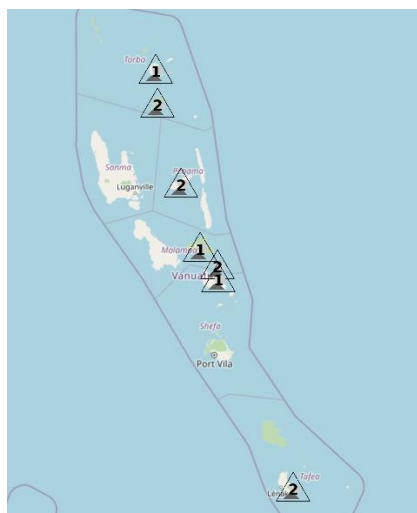
NOAA Coral Reef Watch

Coral Bleaching Outlook

A No Stress outlook is forecasted for all islands this month.

Aotluk I soem se bae inogat stress long ol korel long manis ya.

Volcanic Alert Level as of June 1



Vanuatu Volcanic Activity Summary	
Volcanoes	Current Alert Level
Yasur (Tanna)	2
Lopevi (Lopevi)	2
Manaro Voui (Ambae)	2
Mount Garek (Gaua)	2
East Epi	1
Benbow and Marum (Ambrym)	1
Suretamatai (Vanua Lava)	1

Title	Level of Alert
Very Large Eruption	5
Moderate Eruption	4
Minor Eruption	3
Major Unrest	2
Signs of Volcanic Unrest	1
Normal	0

For the latest Volcanic Alert Bulletin, visit:

<https://www.vmgd.gov.vu/vmgd/index.php/geohazards/volcano/volcano-info/current-volcanic-activity>

Bulletin Highlights for July 2023

ENSO:	El Niño ALERT	Max Temp:	↑
SST:	↑	Min Temp:	↑
Rainfall:	↓	Coral Bleaching:	↓
Sea Level:	↑	Volcanos:	–

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			<i>Recommended Actions</i>	
			Tourism Operators	Tourists
	R a i n f a l	<i>Below normal</i>	<p>Use water wisely (e.g., watering lawn/ gardens during cool morning/ evening hours)</p> <p>Provide tourists with resource on water saving behaviour</p> <p>Heavily mulch flower beds to reduce evaporation</p> <p>Desalination plants</p> <p>Avoid use of fire</p>	<p>Use water wisely (use water taps responsibly, reduce shower times)</p> <p>Travel with reusable water bottle and filter</p> <p>Support eco-tourism initiatives with a water conservation focus</p> <p>Participate in activities with less reliance on water (e.g., go bush hiking instead of swimming)</p>
		<i>Above normal</i>	<p>Save enough water for consumption</p> <p>Increase water activities</p> <p>Increase shelter to accommodate rain day activities</p>	<p>Participate in indoor activities</p> <p>Participate in water-based activities</p>
C l i m a t e V a r i a b l e	T e m p e r a t u r e	<i>Above normal</i>	<p>Build low huts near beaches to cool off</p> <p>Encourage sun safe behaviour for tourists (sunscreen, staying in shade, etc.)</p> <p>Do not remove branches from trees nearby</p> <p>Heavily mulch flower beds</p> <p>Provide shade tents and cooling stations</p> <p>Use structural or mechanical aid (e.g., umbrellas or wind breaks)</p> <p>Avoid areas of unfavourable weather conditions (e.g., move from sun to shade)</p>	<p>Apply SPF30+ sunscreen every 2 hours</p> <p>Adjust outdoor activities to avoid thermal stress</p> <p>Stay in the shade where possible</p> <p>Keep hydrated</p> <p>Reduce excess movement</p> <p>Wear a shirt, hat, and sunglasses</p>
C o r a l B l e a c h i n g L e v e l	<i>Above normal</i>	<p>Reduce stormwater and fertilizer runoff</p> <p>Avoid using herbicides and pesticides</p> <p>Work with government to move towards renewable energy</p> <p>For operators nearby coral, provide extensive education to tourists on how to avoid damaging coral reefs</p> <p>When anchoring boats, avoid anchoring near places with coral reefs</p> <p>Tour boats to avoid releasing grey-water discharge or other water pollutants that can be damaging to marine environment</p>	<p>Do not litter in the marine environment</p> <p>If participating in snorkelling or other water activities nearby coral reefs, take care to not damage coral reefs by stepping on, hitting, or touching corals</p> <p>Ensure sunscreen you use is safe for marine life</p>	

For more info, contact us:

VMGD: Free Toll (116) Telephone (+678 23866) Email (climate@meteo.gov.vu)
Tourism office: Telephone (+678 33400) Email (tourism@vanuatu.gov.vu)

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