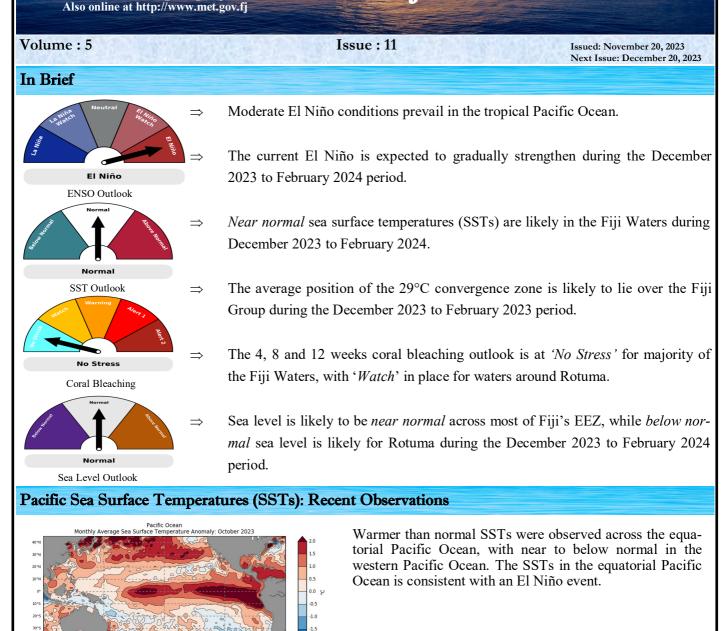
FIJI METEOROLOGICAL SERVICE

Private Mail Bag (NAP0351) Nadi Airport, Fiji

Ph: +679 6724888, Fax: +679 6720430 Email: climate@met.gov.fj

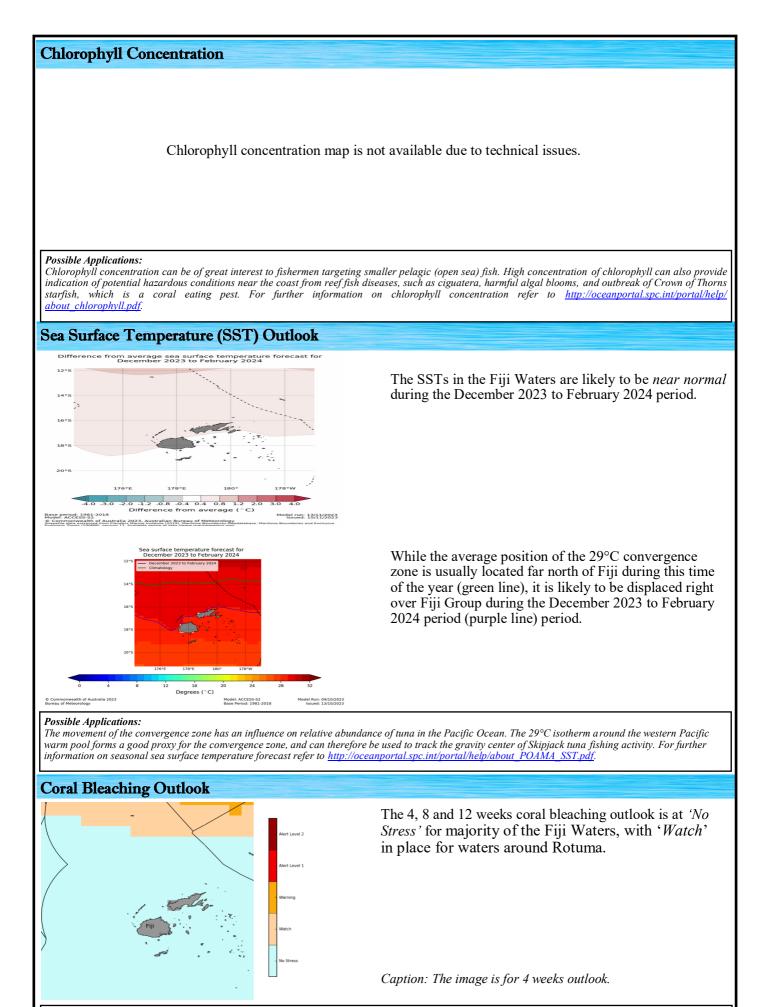
Fiji Ocean Outlook



SSTs around the Fiji Waters were mostly warmer than normal during October, with anomalies of 0.5°C-1.5°C observed across most of the Fiji Waters, while *near normal* SSTs were observed in the water between Viti Levu and Vanua Levu, Beqa, Lomaiviti Group, Taveuni and parts of the southern Lau Group with anomalies of -0.5°C to 0.0° C.

Australian Bureau of Meteorology, COSPPac

Possible Applications: Presence of warmer than usual waters in the central and eastern equatorial Pacific indicate persistence of an El Niño event and cool waters indicate La Niña. Monitoring warm patches of ocean gives insight into the potential for cyclone formation, and possible start or finish of the cyclone season. For further information on ocean temperature refer to <u>http://oceanportal.spc.int/portal/help/about_OceanTemperature.pdf</u>.

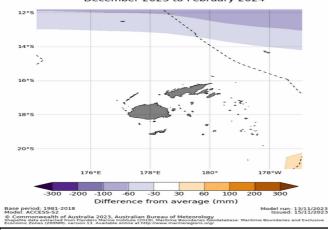


Possible Applications:

Once a potential bleaching event is detected, a management plan should be implemented to reduce the impacts of bleaching. For further information on coral bleaching refer to http://oceanportal.spc.int/portal/help/about_coralbleaching.pdf.

Sea Level Outlook

Difference from average sea surface height forecast for December 2023 to February 2024



Near normal sea level is likely across most of Fiji's EEZ during the December 2023 to February 2024 period. *Below normal* sea level is likely for Rotuma during the December 2023 to February 2024 period.

Possible Applications:

Stakeholders can use forecasts of extreme sea level to make decisions about the protection of communities and infrastructure against coastal inundation. For further information on sea level refer to http://oceanportal.spc.int/portal/help/about_POAMA_Sea_Level.pdf.

Tide Predictions (December 2023 to February 2024)

	Suva Ti		Lautoka Tidal Gauge								
Monthly Highest Tide			Monthly Lowest Tide			Monthly Highest Tide			Monthly Lowest Tide		
Date	Time	Height	Date	Time	Height	Date	Time	Height	Date	Time	Height
14 Dec	19:16	1.98m	16 Dec	02:45	0.42m	14 Dec	18:59	2.21m	15 Dec	01:35	0.37m
13 Jan	19:52	2.08m	14 Jan	02:26	0.37m	13 Jan	19:38	2.32m	13 Jan	01:21	0.29m
11 Feb	19:34	2.13	12 Feb	02:02	0.34m	10 Feb	18:31	2.39m	11 Feb	01:00	0.23m

All date and time are in Fiji Standard Time.

Moon Phases (December 2023 to February 2024)

New Moon $lacksquare$	First Quarter O	Full Moon	Last Quarter 0	
			5 th December	
13 th December	20 th December	27 th December	4 th January	
11 th January	18 th January	26 th January	3 rd February	
10 th February	17 th February	25 th February		

Disclaimer: While Fiji Meteorological Service takes all measures to provide accurate information and data, it does not guarantee 100% accuracy of the information presented in this outlook. The Department should be sought for expert advice, clarifications and additional information as and when necessary. The user assumes all risk resulting directly or indirectly from the use of this outlook.