Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 184

Country: Tuvalu

Part 1: Recent climate

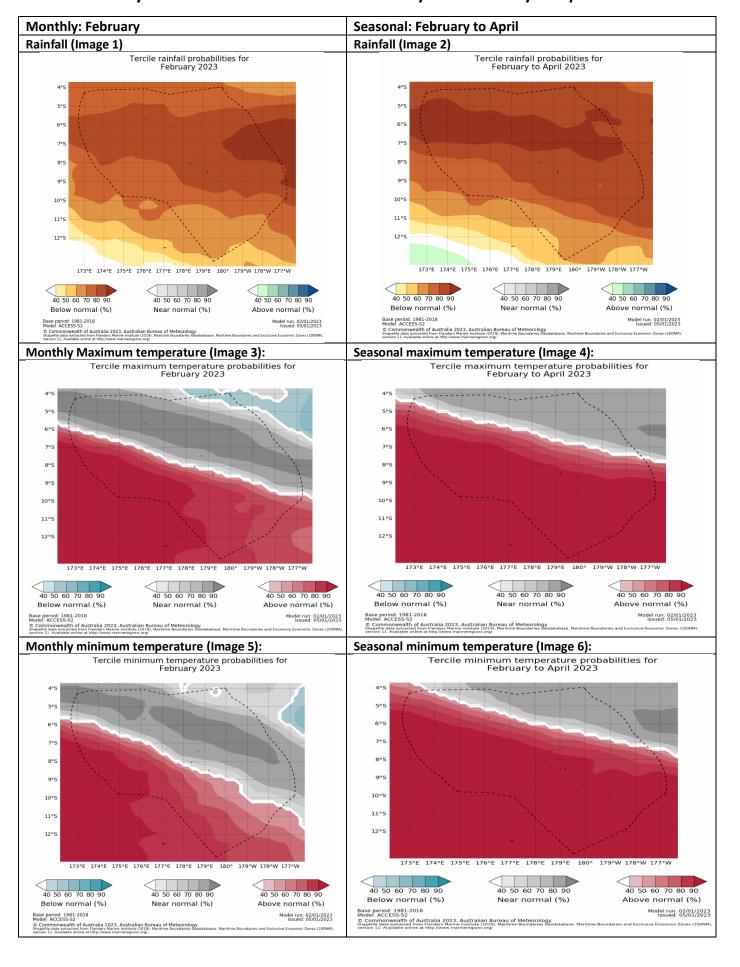
TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2022	Nov-2022	Dec-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nuilk
Nanumea (1941-2022)	18.9	29.9	172.9	206.4	374.7	292.8	21/81
Nui (1946-2022)	38.3	206.2	268.7	265.9	417.2	308.6	28/77
Funafuti (1933-2022)	109.9	124.7	331.9	305.6	436.4	347.0	38/90
Niulakita (1953-2022)	236.1	187.8	337.4	234.6	361.1	291.6	41/69

TABLE 2: Three-month Total Rainfall for October to December 2022

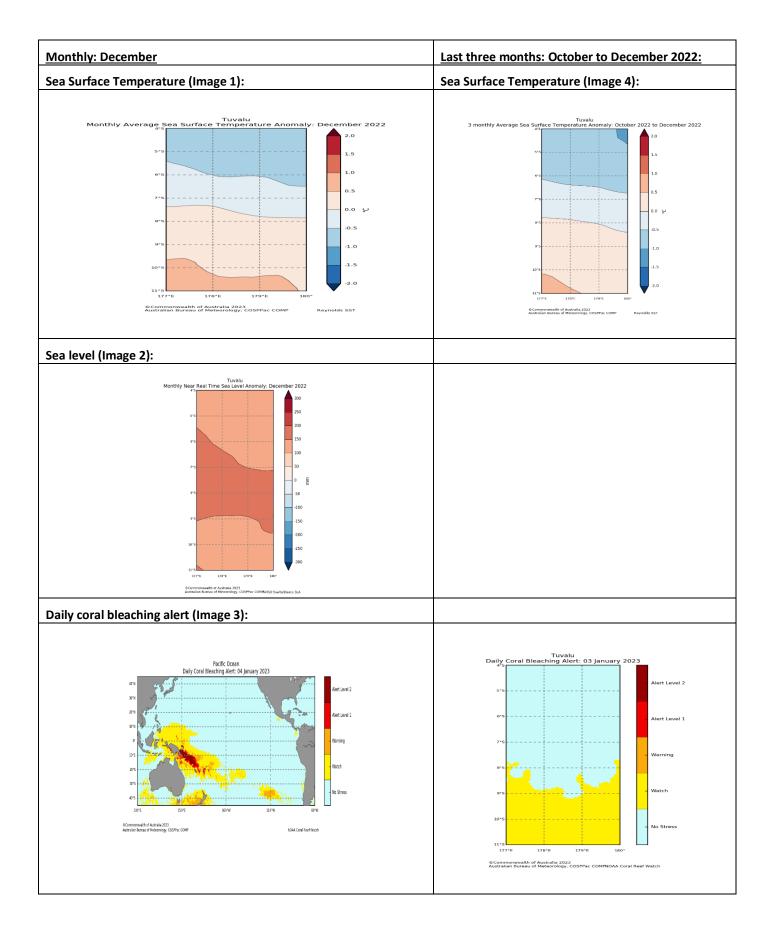
Station	Three-r	month Total	33%tile	67%tile	Median	Rank
Nanumea (1941-2022)	221.7	Below normal	525.9	759.0	625.5	9/81
Nui (1946-2022)	513.2	Below normal	704.0	907.4	791.4	12/77
Funafuti (1933-2022)	566.5	Below normal	808.7	1010.3	893.4	10/90
Niulakita (1953-2022)	761.3	Normal	760.3	960.0	832.2	24/68

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2023

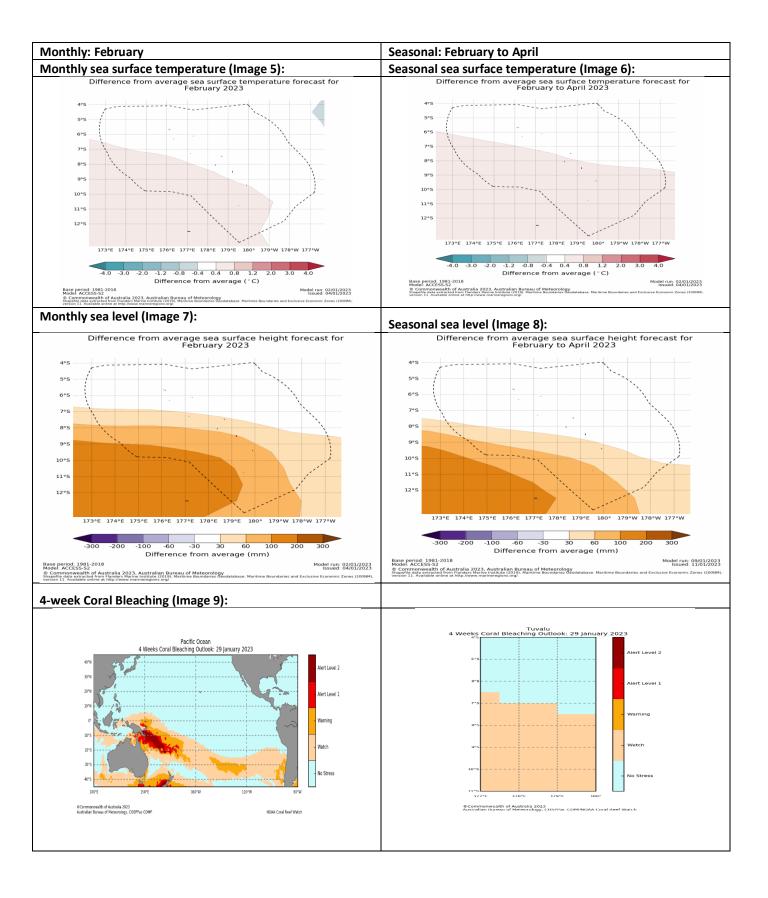


Part 2: Recent Ocean Observation

Monthly/Three months: December 2022 and October to December 2022



Part 2i. Monthly and Seasonal Outlooks for February and February to April 2023



Summary Statement

Monthly and last three months: December 2022/October to December 2022 statement

December: Below normal rainfall was observed at Nanumea, while Nui, Funafuti and Niulakita observed normal rainfall.

October to December: Below normal rainfall was observed at Nanumea, Nui and Funafuti, while Niulakita observed normal rainfall.

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for February and February to April is likely or very likely to be below normal over the whole country.

Monthly maximum and minimum temperatures are likely or very likely to be near normal over the northern and the central group, while the southern group is likely to be above normal.

Seasonal maximum and minimum temperatures are likely or very likely to be above normal over the whole country

Part 2: Recent Ocean summary statement

Monthly and last three months: December/October to December 2022

Sea surface temperature around Tuvalu in December and averaged over October-December ranged from near-normal in central regions up to 1.0 °C below normal in the north, and up to 1.0 °C above normal in the south.

Sea levels around Tuvalu were 100 mm to 200 mm above normal in December.

Coral bleaching reveals Watch status for the southern part of Tuvalu.

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2023

Ocean Variable statement

The monthly and seasonal sea surface temperature outlooks for February and February to April predict near-normal SSTs in the northeast half of the country, and 0.4 to 0.8 °C above normal in the southwest half.

February sea levels are forecast to increase southwards from near-normal for the northern group to 100 mm to 200 mm above normal in the southwest of the region.

Averaged over February to April sea levels are forecast to be near-normal over the northern half of the country, increasing to 60 mm to 100 mm above average in the south.

The Coral Bleaching outlook reveals Watch status for the southern part of Tuvalu.

 TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: December 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin		MET Staffs	22	17	5
		Disaster Dept	2	2	
		TRC	2	1	1
		TuCAN	1	1	
		Agriculture	2		2
		All Civil Servants			
		All Kaupule Secretary			
EAR Watch		MET Staffs	22	17	5
		Disaster Dept	2	2	
		TRC	2	1	1
		TuCAN	1	1	
		Agriculture	2		2
		All Civil Servants			
		All Kaupule Secretary			
Monthly Climate		MET Staffs	22	17	5
Briefing		Disaster Dept	2	2	
		TRC	2	1	1
		TuCAN	1	1	
		Agriculture	2		2
		All Civil Servants			
		All Kaupule Secretary			
Ocean Outlook		MET Staffs	22	17	5
		Disaster Dept	2	2	
		TRC	2	1	1
		TuCAN	1	1	
		Agriculture	2		2
		All Civil Servants			
		All Kaupule Secretary			
Climate data	02/12/22	APCC's (Peta)	1		1
request	09/12/22	Tuvalu Climate Change	1	1	
		Total	116	85	33