Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 193

Country: Tuvalu

Part 1: Recent climate

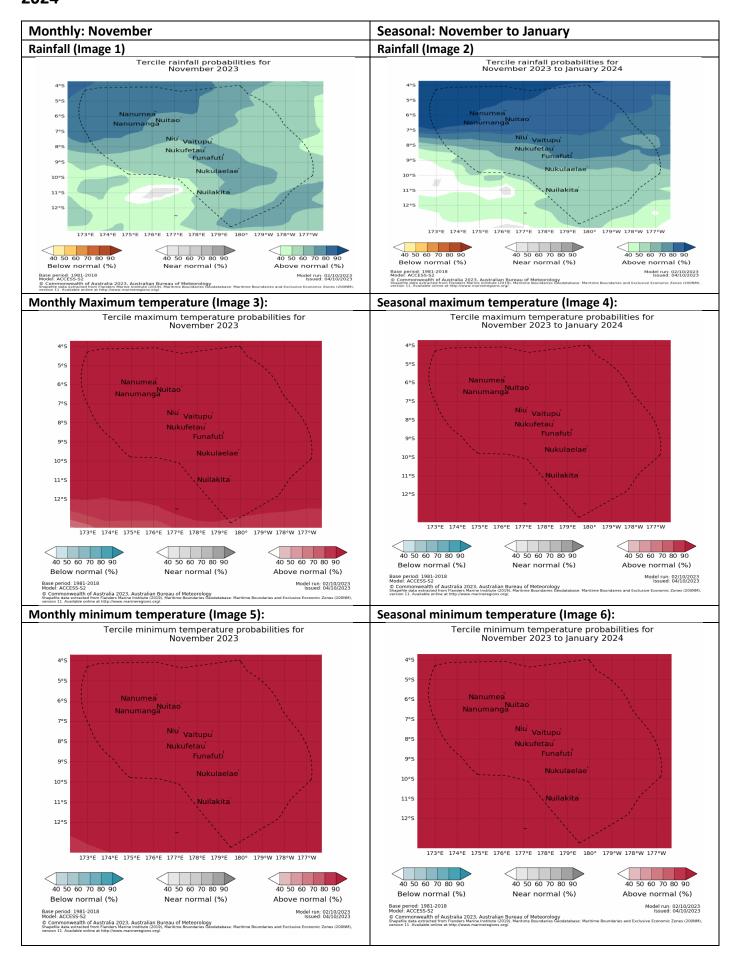
TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2023	Aug- 2023	Sep-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)		Rainfall (mm)			I Malik
Nanumea (1941-2023)	123.5	136.0	121.4	88.8	168.2	119.7	39/82
Nui (1946-2023)	156.1	117.8	148.7	127.3	198.0	172.7	33/78
Funafuti (1933-2023)	289.0	106.0	258.0	164.1	247.1	203.7	64/91
Niulakita (1953-2023)	99.4	375.3	339.8	177.1	230.1	192.0	65/71

TABLE 2: Three-month Total Rainfall for July to September 2023

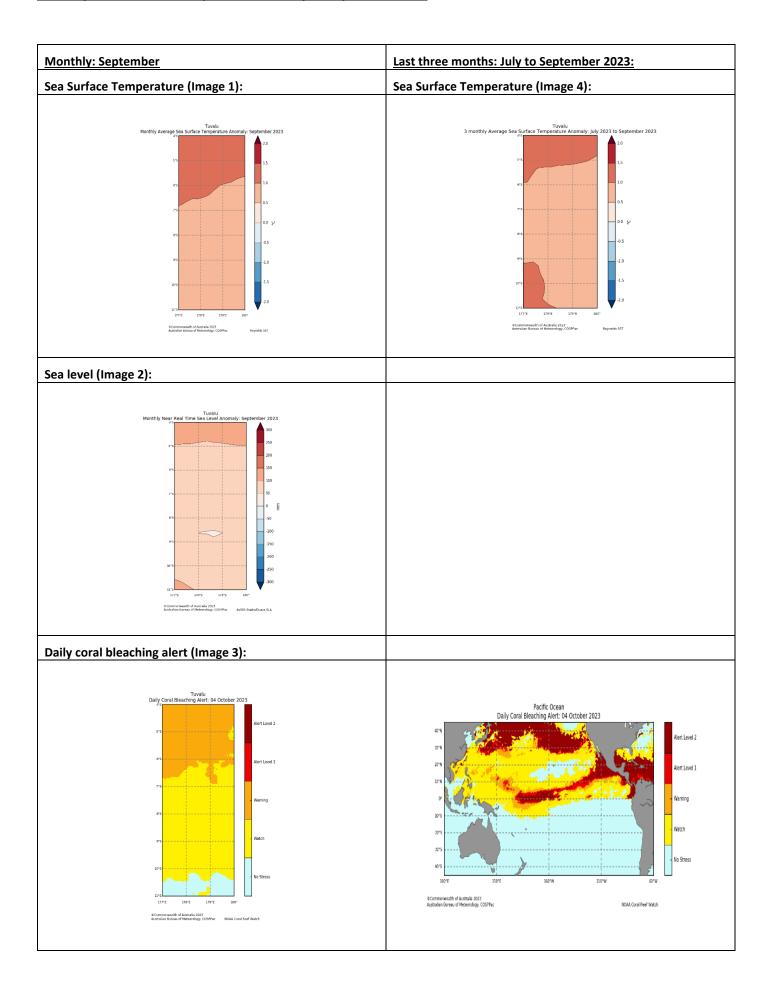
Station	Three-month Total		33%tile	67%tile	Median	Rank
Nanumea (1941-2023)	380.9	Below normal	398.1	603.1	475.5	24/82
Nui (1946-2023)	422.6	Below normal	519.8	688.7	610.0	20/78
Funafuti (1933-2023)	653.0	Normal	608.0	785.9	710.3	39/91
Niulakita (1953-2023)	814.5	Above normal	514.7	722.8	619.8	56/71

Part 1i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024

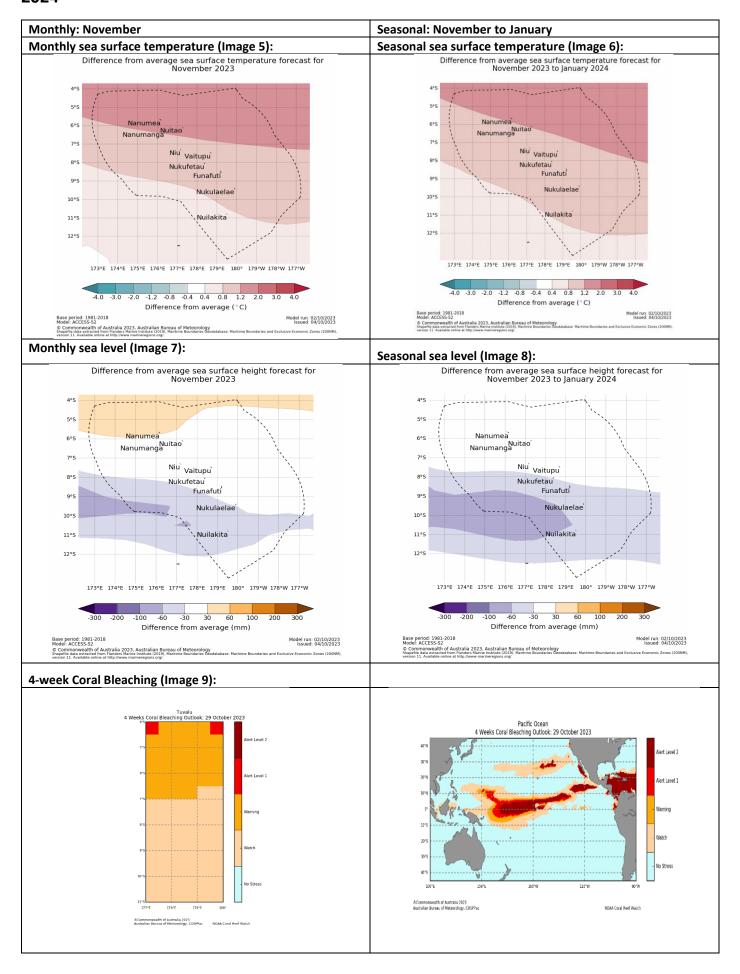


Part 2: Recent Ocean Observation

Monthly/Three months: September and July to September 2023



Part 2i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024



Summary Statement

Monthly and last three months: September 2023/July to September 2023 statement

The rainfall for September was near-normal at Nanumea and Nui, while Funafuti and Niulakita observed above normal rainfall.

For the past three months, rainfall was below normal at Nanumea and Nui, near-normal at Funafuti, and above normal at Niulakita.

Part 1i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for November and November to January 2024 is likely or very likely to be above normal over Tuvalu.

Maximum and minimum temperatures during November and averaged over November to January 2024 are likely or very likely to be above normal across the whole country.

Part 2: Recent Ocean summary statement

Monthly and last three months: September 2023/July to September 2023

September ocean temperatures in the Northern group were 1.0 to 1.5°C above normal. In the Central and the Southern group were 0.5 to 1.0°C above normal.

Averaged over July to September, ocean temperatures over Tuvalu were 0.5 to 1.5°C above normal.

September sea levels around Tuvalu were 50mm to 150mm above normal, with a very little portion of 0mm to 50mm near normal at Central part of Tuvalu EEZ.

Coral bleaching alert reveals "Warning' status for the Northern group, while for the remaining group of Tuvalu were 'Watch', and 'No stress' in the Southern part of Tuvalu EEZ.

Part 2i. Monthly and Seasonal Outlooks for November and November to January 2024

Ocean Variable statement

November and averaged over November to January ocean temperatures in the Northern group is predicted to be 1.2 to 2.0°C above normal. In the Central and Southern group are predicted to be 0.4 to 1.2 °C above normal.

November sea levels are forecast to be above normal at 30 to 60mm in far Northern group. The Southern group forecast to be below normal ranging from 30 to 60mm. The remaining parts of Tuvalu are forecast to be near normal.

Averaged over November to January 2024, Southern group are forecasted to be below normal ranging from 30 to 100mm. The remaining parts of Tuvalu are forecasted to be near normal.

Coral bleaching outlook for Tuvalu, predicts 'Warning' status in the Northern Group, remaining Central and Southern group at 'Watch' for the next four weeks.

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

Product	Date: September 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate		MET Staff	24	13	11	
Bulletin	Disaster Dept	1	1			
		TRC	1		1	
		TuCAN	1		1	
			1	1	4	
		Agriculture	2 All staff	1	1	
		All Civil Servants	13	7	6	
		All-Kaupule Secretary	.0			
EAR Watch		MET Staff	24	13	11	
		Disaster Dept	1	1		
		TRC	1		1	
		TuCAN	1	,	1	
		Agriculture	1 2	1	1	
		_	All staff	'	ı	
		All Civil Servants All-Kaupule Secretary	13	7	6	
Monthly Climate Briefing						
Ocean Outlook		MET Staff	24	13	11	
		Disaster Dept	1	1		
		TRC	1		1	
		TuCAN	1	1	1	
		Agriculture	2	1	1	
		All Civil Servants	All staff	,	,	
		All-Kaupule Secretary	13	7	6	
Climate data request						
		Total	129	69	60	