Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 196

Country: Tuvalu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2023	Nov-2023	Dec-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2024)	394.0	210.1	252.4	205.3	364.0	291.4	34/83
Nui (1946-2024)	296.4	257.5	246.1	269.9	418.7	309.6	18/76
Funafuti (1933-2024)	382.0	279.2	339.4	308.6	435.1	343.0	41/91
Niulakita (1953-2024)	337.6	449.2	177.7	236.4	352.9	291.6	11/69

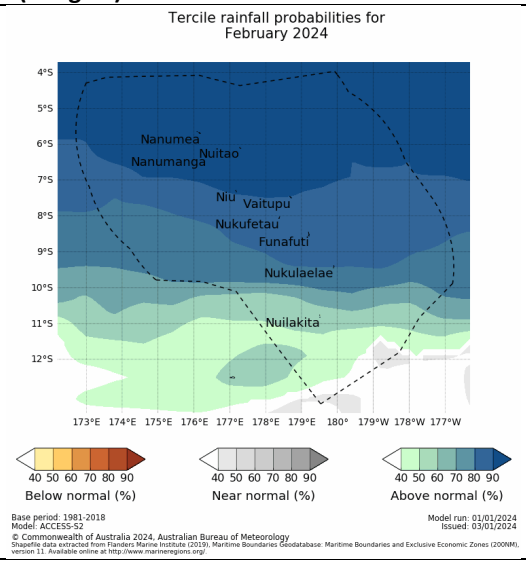
TABLE 2: Three-month Total Rainfall for October to December 2023

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	856.5	Above normal	522.6	755.4	622.0	66/81
Nui (1946-2024)	800.0	Normal	701.9	908.1	803.4	36/76
Funafuti (1933-2024)	1000.6	Normal	808.4	1008.4	887.8	57/91
Niulakita (1953-2024)	964.5	Above normal	764.5	948.8	832.2	47/68

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2024

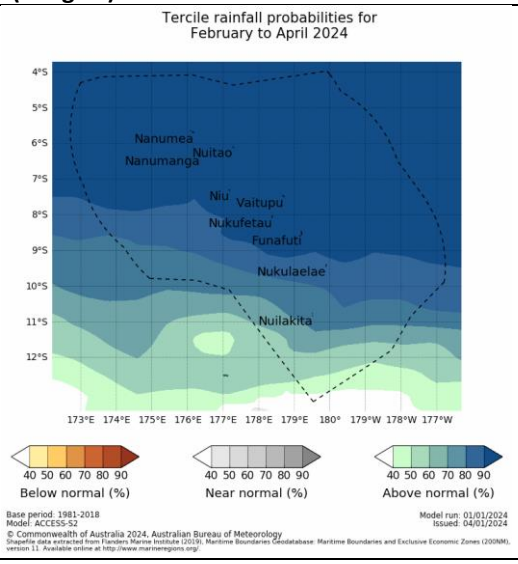
Monthly: February

Rainfall (Image 1)

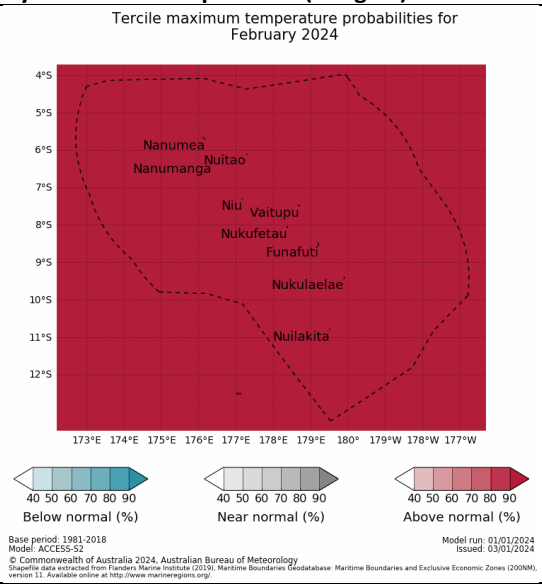


Seasonal: February to April

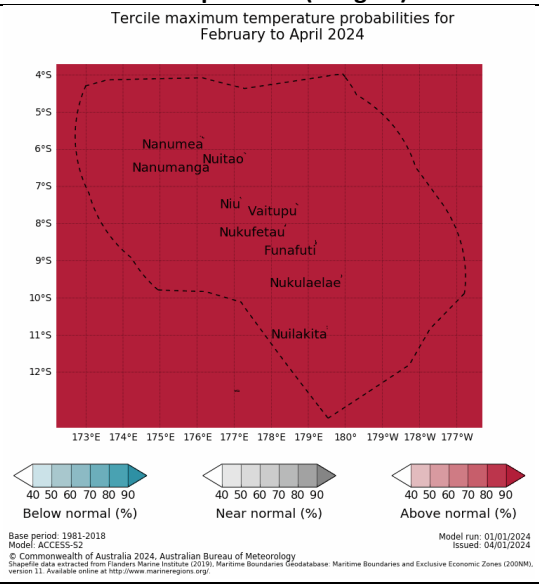
Rainfall (Image 2)



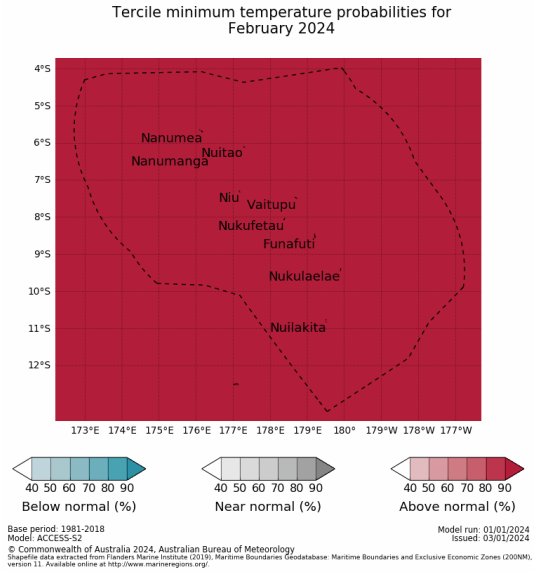
Monthly Maximum temperature (Image 3):



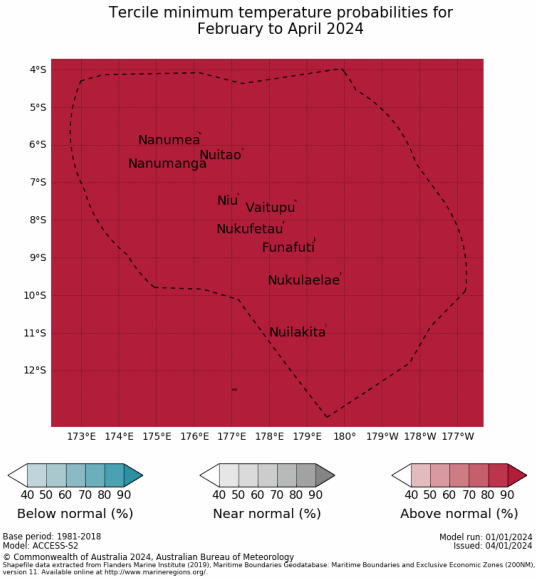
Seasonal maximum temperature (Image 4):



Monthly minimum temperature (Image 5):

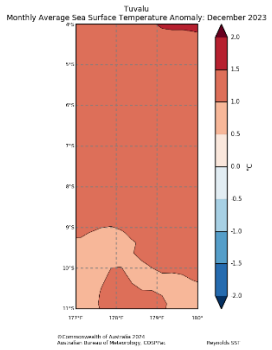
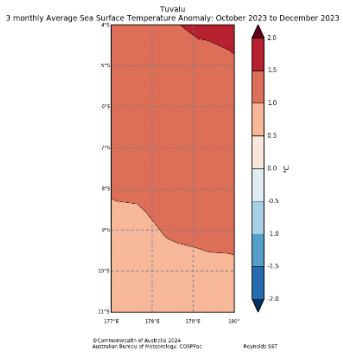
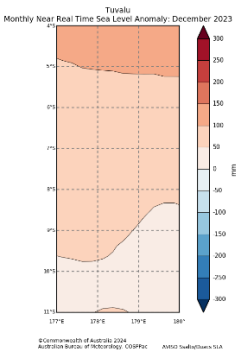
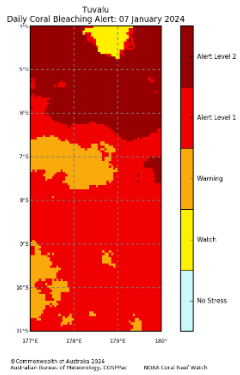
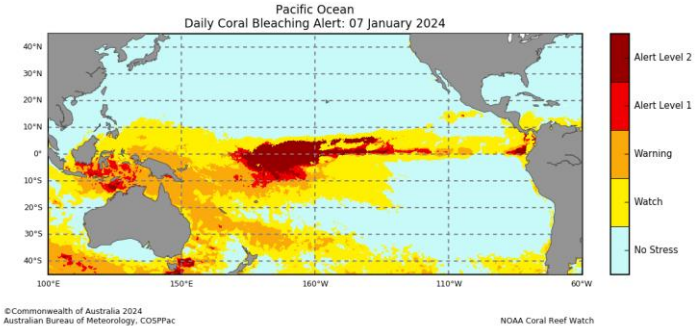


Seasonal minimum temperature (Image 6):

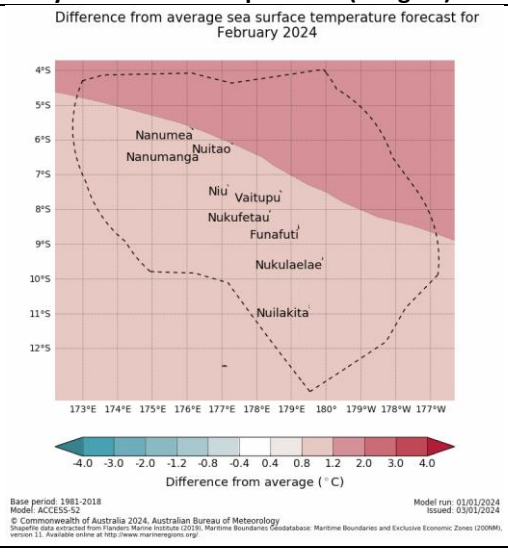
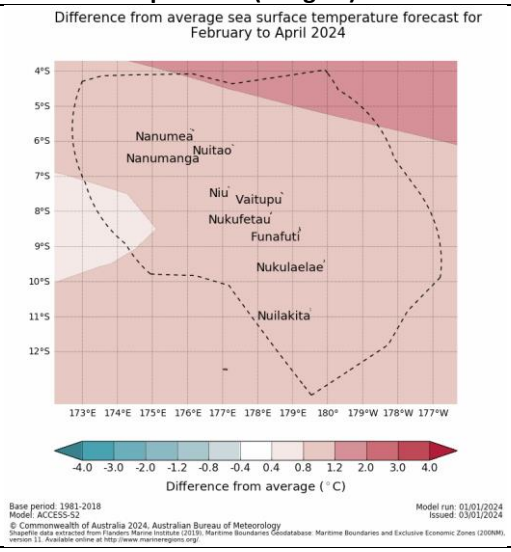
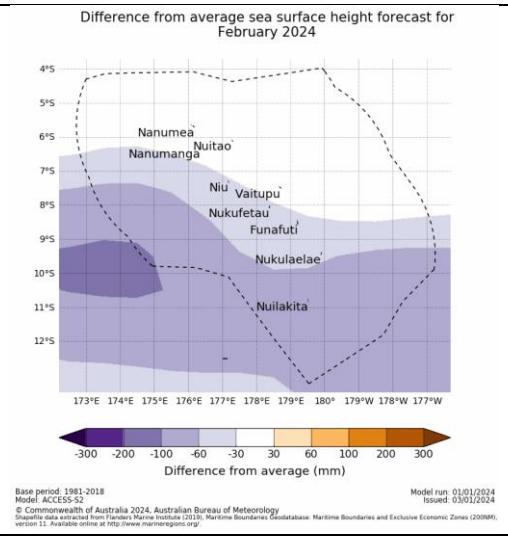
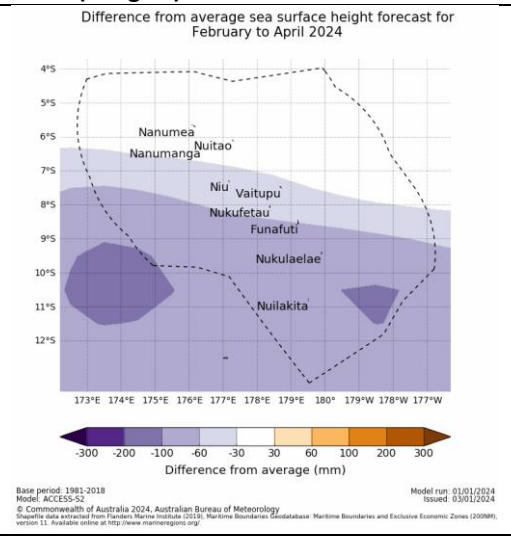
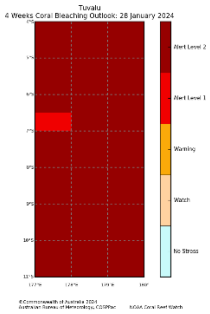
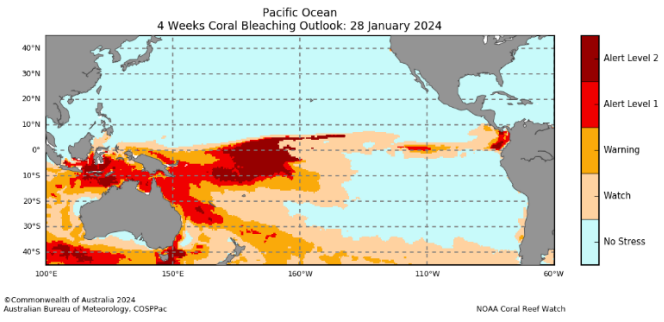


Part 2: Recent Ocean Observation

Monthly/Three months: December and October to December 2023

Monthly: December	**Last three months: October to December 2023:**
Sea Surface Temperature (Image 1):	**Sea Surface Temperature (Image 4):**
	
Sea level (Image 2):	
	
Daily coral bleaching alert (Image 3):	
	

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2024

Monthly: February	Seasonal: February to April
Monthly sea surface temperature (Image 5):	**Seasonal sea surface temperature (Image 6):**
	
Monthly sea level (Image 7):	**Seasonal sea level (Image 8):**
	
4-week Coral Bleaching (Image 9):	
	

Summary Statement

Monthly and last three months: December 2023/October to December 2023 statement

The rainfall for December was near-normal at Nanumea and Funafuti, while below normal was recorded in Nui and Niulakita.

For the past three months, rainfall was above normal over Nanumea and Niulakita, while near--normal was postedat Nui and Funafuti.

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for February and February to April is very likely to be above normal over Tuvalu.

Maximum and minimum temperatures during February and averaged over February to April are very likely to be above normal over Tuvalu.

Part 2: Recent Ocean summary statement

Monthly and last three months: December 2023/October to December 2023

December ocean temperatures at the Northern group and Central group were 1.0 to 1.5°C above normal, except some parts for the Southern group were 0.5 to 1.5°C above normal.

Averaged over October to December, ocean temperatures around the Northern group and Central group were 1.0 to 1.5°C above normal, except for the far Northern parts of the EEZ were 1.5 to 2.0°C above normal. In the Southern group ocean temperature were 0.5 to 1.0°C above normal.

December sea levels at the Northern group were 50mm to 150mm above normal. In the Central group 50mm to 100mm above normal, while near normal for the Southern group.

Coral Bleaching Alert was Alert Level 1 to Alert Level 2 at the Northern group, and for the Central group and Southern group on Warning to Alert Level 1.

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2024

Ocean Variable statement

February ocean temperatures around Northern group is predicted to be 0.8 to 2.0°C above normal. In the Central group and Southern group are predicted to be 0.8 to 1.2°C above normal.

Averaged over February to April, ocean temperatures over Tuvalu are predicted to be 0.8 to 1.2°C above normal, except some parts for the North-North-East of the EEZ are predicted to be 1.2 to 2.0°C above normal.

February sea levels and averaged over February to April sea levels around Northern group is predicted to be near normal. In the Central group and Southern group is predicted to be 30mm to 100mm below normal.

Coral Bleaching Outlook for the next four weeks is predicted to be Alert Level 2 over Tuvalu.

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

Product	Date: December 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin	05/01/24	MET Staff	All			
		Disaster Dept	2	2		
		TRC	1		1	
		TuCAN	2	1	1	
		Agriculture	2		2	
		All Civil Servants	All			
		All-Kaupule	13	7	6	
		Secretary				
EAR Watch	05/01/24	MET Staff	All			
		Disaster Dept	2	2		
		TRC	1		1	
		TuCAN	2	1	1	
		Agriculture	2		2	
		All Civil Servants	All			
		All-Kaupule	13	7	6	
		Secretary				
Monthly Climate Briefing						
Ocean Outlook	05/01/24	MET Staff	All			
		Disaster Dept	2	2		
		TRC	1		1	
		TuCAN	2	1	1	
		Agriculture	2		2	
		All Civil Servants	All			
		All-Kaupule	13	7	6	
		Secretary				
Climate data request						
		Total	**60**	**30**	**30**	