Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 206

Country: Tuvalu

Part 1: Recent climate

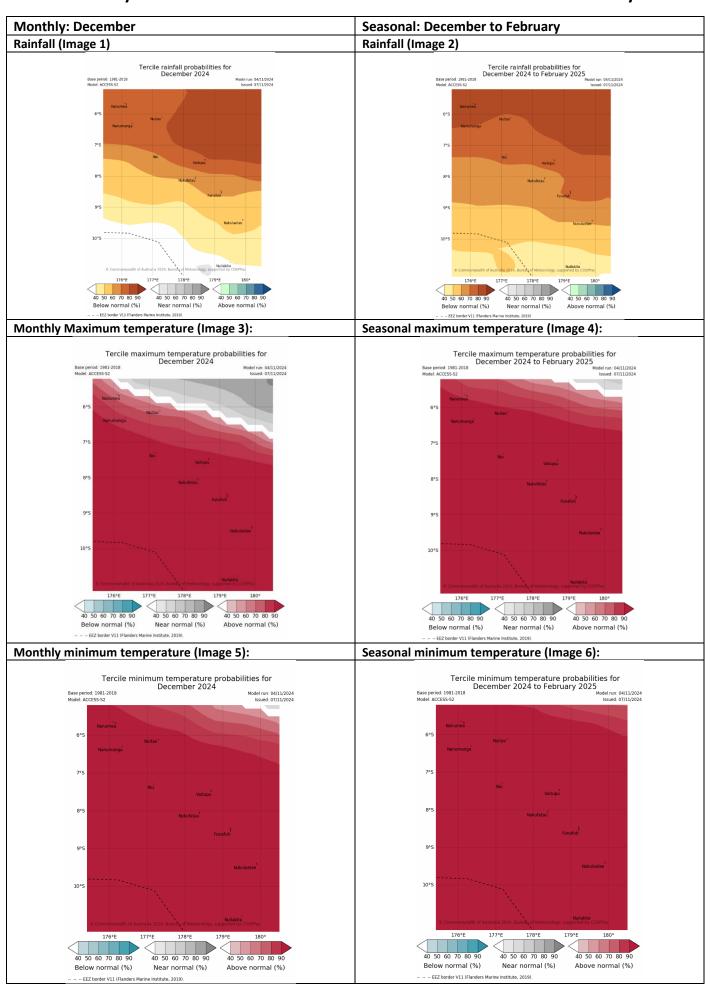
TABLE 1: Monthly Rainfall

	Aug- 2024	Sep- 2024	Oct-2024				
Station (include data period)			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				nalik
Nanumea (1941-2024)	191.5	329.4	103.8	89.6	197.7	140.7	32/82
Nui (1946-2024)	291.5	309.8	87.0	144.3	217.3	182.0	8/79
Funafuti (1933-2024)	502.6	356.0	285.2	203.3	292.9	260.4	56/92
Niulakita (1953-2024)	307.2	390.5	215.6	211.2	312.4	260.0	27/71

TABLE 2: Three-month Total Rainfall for August to October 2024

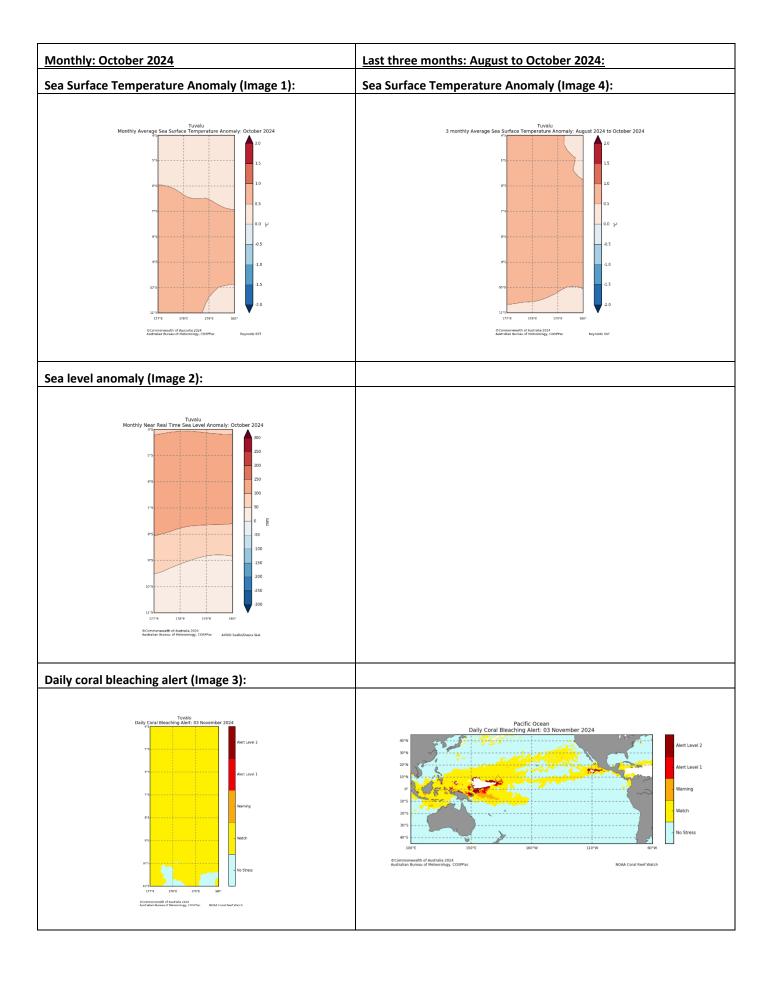
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	624.7	Above normal	341.0	614.4	505.0	59/82
Nui (1946-2024)	688.3	Above normal	497.8	672.8	564.7	53/79
Funafuti (1933-2024)	1143.8	Above normal	609.3	798.9	680.4	83/92
Niulakita (1953-2024)	913.3	Above normal	580.5	829.2	704.3	54/72

Part 1i. Monthly and Seasonal Outlooks for December and December to February 2025

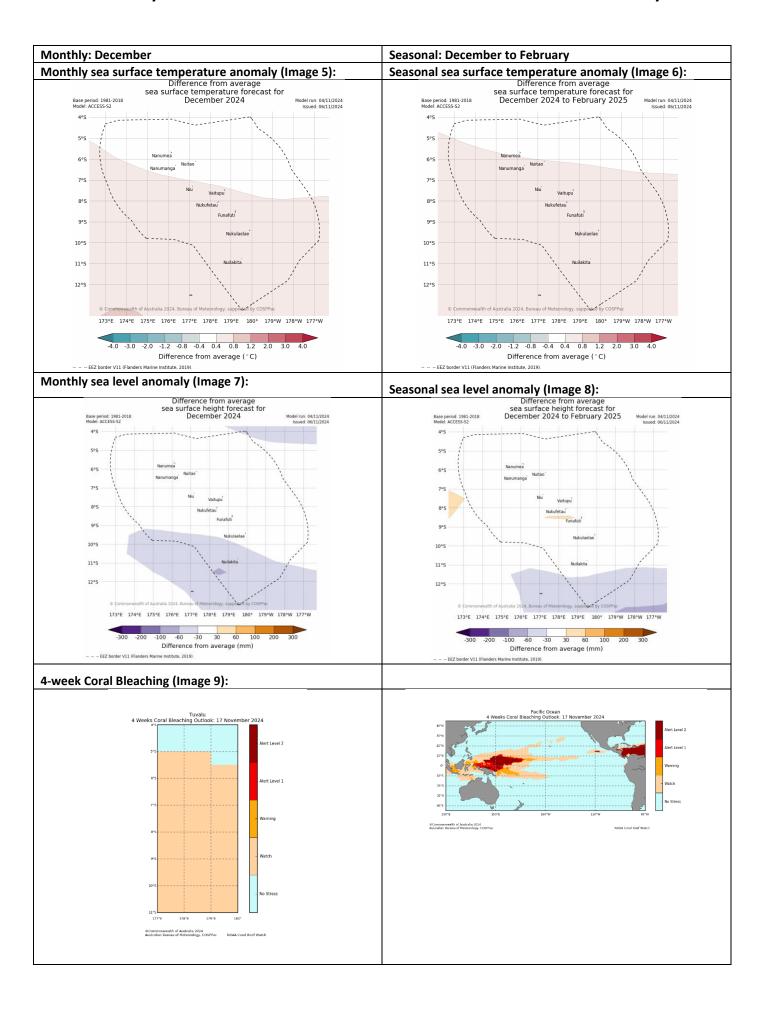


Part 2: Recent Ocean Observation

Monthly/Three months: October 2024 and August to October 2024



Part 2i. Monthly and Seasonal Outlooks for December and December to February 2025



Summary Statement

Monthly and last three months: October 2024/August to October 2024 statement

The rainfall for October was near normal over Nanumea, Funafuti, and Niulakita, while Nui recorded below normal rainfall.

For the past three months, rainfall was above normal over Tuvalu. Funafuti recorded its tenth wettest August to October periods in 92 years of record.

Part 1i. Monthly and Seasonal Outlooks for December and December to February 2025

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for December and December to February 2025 is very likely to be below normal over the northern and central Tuvala, while below normal is likely for southern Tuvalu.

Maximum and minimum temperatures during December 2024 and December to February 2025 are very likely to be above normal over most of Tuvalu. Near normal temperatures is likely for the northernmost part of the country.

Part 2: Recent Ocean summary statement

Monthly and last three months: October 2024/August to October 2024

October sea surface temperatures (SSTs) around Tuvalu were utmost 1.0°C above normal.

Averaged over August to October, sea surface temperatures around Tuvalu were 0.5 to 1.0°C above normal.

October sea levels around the Northern were 100 to 500mm above normal, while the Central group was 50 to 100mm above normal, and near normal in the Southern group of Tuvalu.

A coral bleaching Alert is on Watch across the country.

Part 2i. Monthly and Seasonal Outlooks for December and December to February 2025

Ocean Variable statement

December Sea surface temperatures around the Northern groups are predicted to be 0.4 to -0.4°C near normal. The central and southern groups are predicted to be 0.8 to 1.2 above normal.

Averaged over December to February, sea surface temperatures around Tuvalu are predicted to be 0.8 to 1.2°C above normal, except the Northeast side is predicted to be near normal.

December sea levels around Tuvalu are predicted to be 30mm to -30mm near-normal except Niulakita is expected to be below normal.

Averaged over December to February, sea levels around Tuvalu are predicted to be 30 to -30mm near normal.

Coral Bleaching outlook indicates on Watch over Tuvalu.

IN BRIEF for Teleconference

- Rainfall was generally near-normal for October and above normal August to October period.
- The rainfall outlook generally indicates below average most likely in December and December to February 2025.
- SSTs were above normal for October and August to October. The outlook shows near-normal to abovenormal SSTs for the next one and three months.
- Sea levels were near normal to above normal for October. Near-normal sea levels are predicted for December and December to January.

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

Product	Date: October 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin	26/10/24	MET Staff	30	18	12	
		Disaster Dept	2	1	1	
		TRC	2	1	1	
		TuCAN	1	1	1	
		Agriculture	3	1	2	
		Head Quarter	14	10	4	
		(PWIDW)	1	1		
		All-Island	1	1		
		Counsil	2	1	1	
		Permanent Sec	2	2		
		Gov	2	1		
		Fisheries Dept	1	1		
		Health Dept	1	1		
		TEC Dept	2	1	1	
		Environment	1	1		
		Climate-				
		Change	1	1		
		Tuvalu-				
		Maritime	1			
		School				
EAR Watch	26/10/24	MET Staff	30	18	12	
		Disaster Dept	2	1	1	
		TRC	2	1	1	
		TuCAN	1	1	1	
		Agriculture	3	1	2	
		Head Quarter	2	10	4	
		(PWIDW)	14	1		
		All-Island	1	1		
		Counsil	2	1	1	

		Total	204	133	71	
Climate data request						
Climata data		School				
		Maritime	1			
		Tuvalu-	4			
		Change	1	1		
		Climate-	,	,		
		Environment	1	1		
		TEC Dept	2	1	1	
		Health Dept	1	1		
		Fisheries Dept	1	1		
		Gov	2	1		
		Permanent Sec	1	2		
		Counsil	2	1	1	
		All-Island	1	1		
		(PWIDW)	14	1		
		Head Quarter	2	10	4	
		Agriculture	3	1	2	
		TuCAN	1	1	1	
		TRC	2	1	1	
		Disaster Dept	2	1	1	
Ocean Outlook	26/10/24	MET Staff	30	18	12	
Briefing		Forecast Section	2	2		
Monthly Climate	26/10/24	Climate Section	4	2	2	
		School				
		Maritime	1			
		Tuvalu-				
		Change	1	1		
		Climate-				
		Environment	1	1		
		TEC Dept	2	1	1	
		Health Dept	1	1		
		Fisheries Dept	1	1		
		Gov	2	1		
		Permanent Sec	1	2		