Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 208

Country: Tuvalu

Part 1: Recent climate

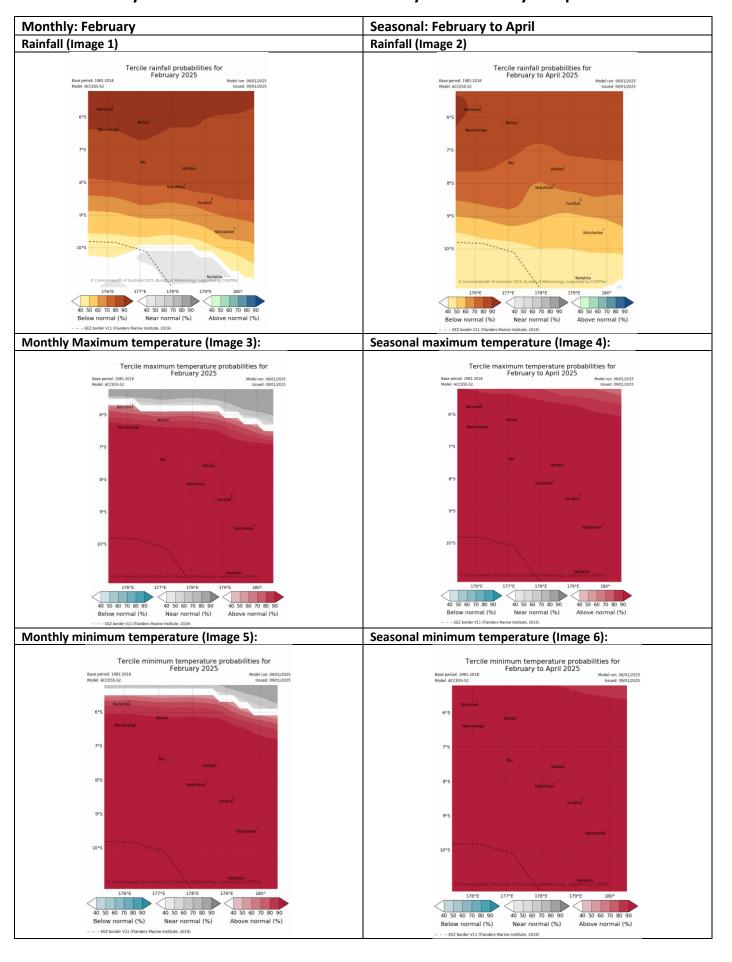
TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2024	Nov-	Dec-2024				
		2024	Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)		Natik			
Nanumea (1941-2024)	103.8	49.6	121.8	245.9	384.0	331.0	18/83
Nui (1946-2024)	87.0	210.8	206.4	240.1	440.2	319.5	17/79
Funafuti (1933-2024)	285.6	216.7	515.6	289.9	445.2	383.8	76/92
Niulakita (1953-2024)	215.6	389.2	244.7	290.5	440.8	366.3	24/71

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

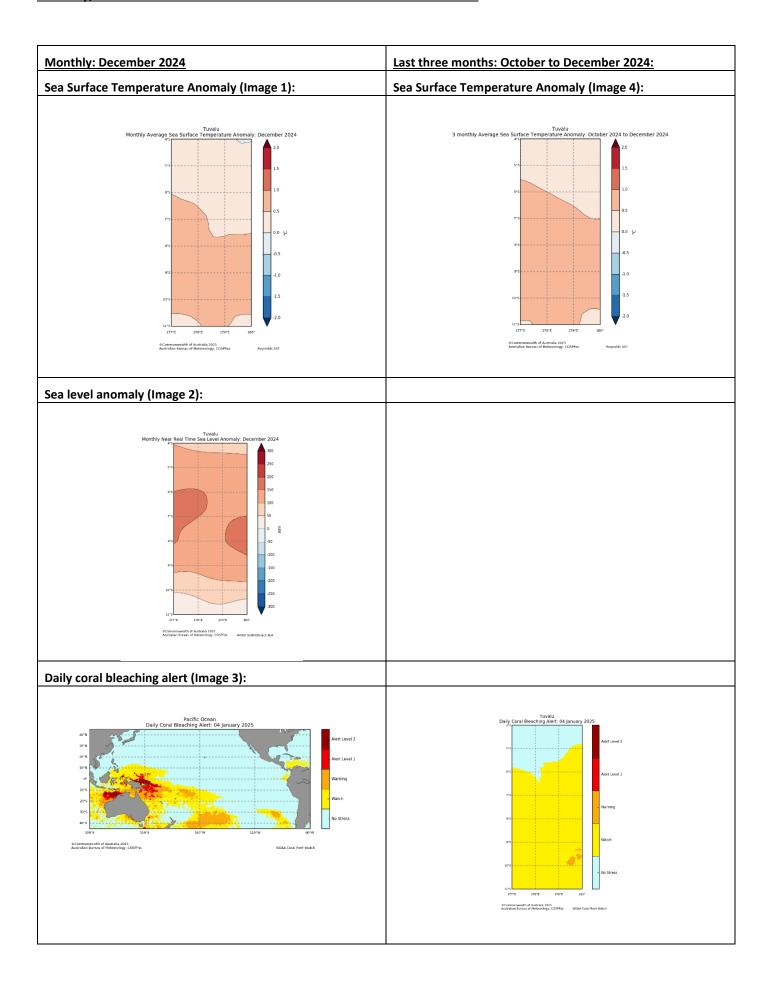
Station	Three-month Total		33%tile	67%tile	Median	Rank	
Nanumea (1941-2024)	275.2	Below normal	525.9	759.0	625.5	16/82	
Nui (1946-2024)	504.2	Below normal	701.9	908.1	802.4	11/76	
Funafuti (1933-2024)	1017.5	Above normal	806.7	1007.5	893.4	64/92	
Niulakita (1953-2024)	849.5	Normal	769.4	944.9	832.7	36/69	

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

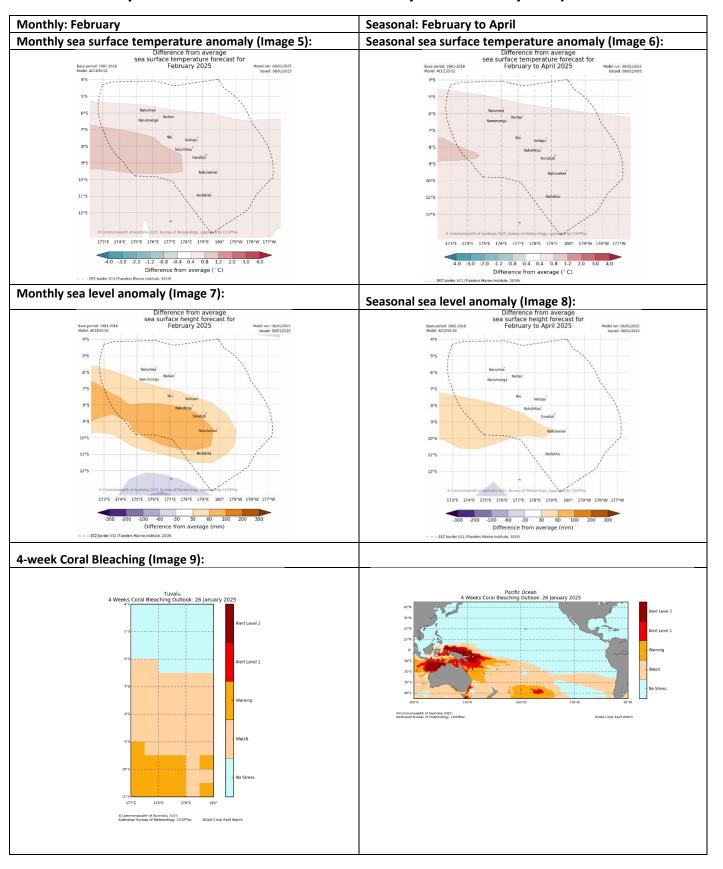


Part 2: Recent Ocean Observation

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



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



Summary Statement

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

The rainfall for December was below normal over Nanumea, Nui, and Niulakita stations, while near normal rainfall at Funafuti.

For the past three months, rainfall was below normal over Nanumea, and Nui. Niulakita recorded normal rainfall while Funafuti recorded above normal rainfall.

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

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 Tuvalu.

Maximum and minimum temperatures during February and averaged over February to April is very likely to be above normal over Tuvalu, excepts north-east parts of Tuvalu EEZ which is likely to be near normal.

Part 2: Recent Ocean summary statement

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

December sea surface temperatures (SSTs) around northern and central groups were utmost 1.0°C above normal, and for the southern group were 0.5 to 1.0°C above normal.

Averaged over October to December, sea surface temperatures around northern group were 0.0 to 0.5°C near normal, while central and southern groups were 0.5 to 1.0°C above normal.

December sea levels around northern and central groups were 100 to 200mm above normal and around southern group were utmost 150mm above normal.

A coral bleaching shown on watch over Tuvalu, excepts some parts for the far northern parts Tuvalu EEZ shows no thermal stress.

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

Ocean Variable statement

February and averaged over February to April Sea surface temperatures around Tuvalu are predicted to be 0.4 to 0.8°C above normal, while for the northern part of Tuvalu, SSTs are predicted to be near normal.

February sea levels around northern group are predicted to be 30 to -30mm near normal, but for the central and southern groups are predicted to be 30 to 100mm above normal.

Averaged over February to April, sea levels around Tuvalu are predicted to be -30 to 30mm near normal but above normal over western parts for Tuvalu EEZ.

Coral Bleaching outlook indicates no thermal stress over northern group and warning status around southern groups for the next 4 weeks.

IN BRIEF for Teleconference

- Rainfall was mostly below normal for December and below normal to above normal for October to December.
- The rainfall outlook generally indicates below averages most likely in February and February to April.
- SSTs were near normal to above normal for December and October to December. The outlook shows near normal to above normal SSTs for the next one and three months.
- Sea levels were above normal for December. Near-normal to above normal sea levels are predicted for February and February to April.
- Coral Bleaching outlook predicted to be no thermal stress to watch across the country.

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

Product	Date: December 2024	Stakeholder	Total Number of Participant s	Numbe r of Male	Numbe r of Female	Disabilit y	Age grou p	Comments (If there are comments from you Stakeholders
Climate	26/12/24	MET Staff	30	18	12		20-50	
Bulletin		Disaster Dept	2	1	1		30-40	
		TRC	2		2		25-50	
		TuCAN	1	1			40-50	
		Agriculture	3	2	1		35-40	
		Head Quarter	2	1	1		40-50	
		(PWIDW)						
		All-Island	14	10	4		35-50	
		Counsil						
		Permanent Sec	1	1			45-50	
		Gov	2	1	1		35-55	
		Fisheries	1	1	_		35-40	
		Dept	2	2	1		45-50	
		Health Dept	1	1			30-40	
		TEC Dept Environment	1	1			30-35	
		ClimateChan ge	1	1			40-55	
		TuvaluMaritim e						
		School						
EAR Watch	26/12/24	MET Staff	30	18	12		20-50	
		Disaster Dept	2	1	1		30-40	
		TRC	2		2		25-50	
		TuCAN	1	1			40-50	
		Agriculture	3	2	1		35-40	
		Head Quarter	2	1	1		40-50	

		(PWIDW)					
		All-Island	14	10	4	35-50	
		Counsil					
		Permanent	1	1		45-50	
		Sec					
		Gov	2	1	1	35-55	
		Fisheries Dept	1	1		35-40	
		Health Dept	2	2	1	45-50	
		TEC Dept	1	1		30-40	
		Environment	1	1		30-35	
		ClimateChan					
		ge	1	1		40-55	
		Tuvalu Maritime					
		School					
Monthly	23/12/24	Climate and	5	2	3		
Climate	23/12/24	Forecast	3	2	3		
Briefing		Divisions					
Ocean	26/12/24	MET Staff	30	18	12	20-50	
Outlook	20/12/24	Disaster Dept	2	1	1	30-40	
		TRC	2	1	2	25-50	
		TuCAN	1	1	2	40-50	
		Agriculture	3	2	1	35-40	
		Head Quarter	2	1	1	40-50	
		(PWIDW)	_				
		All-Island	14	10	4	35-50	
		Counsil					
		Permanent	1	1		45-50	
		Sec					
		Gov	2	1	1	35-55	
		Fisheries	1	1		35-40	
		Dept Health Dept	2	2	1	45-50	
		TEC Dept	1	1		30-40	
		Environment	1	1		30-35	
		ClimateChan					
		ge	1	1		40-55	
		TuvaluMaritim					
		е					
		School					
Climate data							
request							
		Total	204	125	72		
							·