

## Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 209

Country: Tuvalu

Part 1: Recent climate

**TABLE 1: Monthly Rainfall**

Station (include data period)	Nov-2024	Dec-2024	Jan-2025				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2025)	49.6	121.8	279.4	245.9	384.0	331.0	33/84
Nui (1946-2025)	210.8	206.4	225.2	240.1	440.2	319.5	23/80
Funafuti (1933-2025)	216.7	515.6	538.3	289.9	445.2	383.8	75/93
Niulakita (1953-2025)	389.2	244.7	319.9	290.5	440.8	366.3	28/72

**TABLE 2: Three-month Total Rainfall for November 2024 to January 2025**

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2025)	450.8	Below normal	584.9	996.0	862.6	15/83
Nui (1946-2025)	642.4	Below normal	810.1	1092.0	941.7	14/76
Funafuti (1933-2025)	1270.6	Above normal	914.2	1127.3	1018.6	73/92
Niulakita (1953-2025)	953.8	Normal	822.2	1131.8	1024.4	29/69



# Part 2: Recent Ocean Observation

## Monthly/Three months: January 2025 and November 2024 to January 2025

Monthly: January 2025	Last three months: November 2024 to January 2025:
<p><b>Sea Surface Temperature Anomaly (Image 1):</b></p> <p>Tuvalu Monthly Average Sea Surface Temperature Anomaly: January 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>	<p><b>Sea Surface Temperature Anomaly (Image 4):</b></p> <p>Tuvalu 3 monthly Average Sea Surface Temperature Anomaly: November 2024 to January 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>
<p><b>Sea level anomaly (Image 2):</b></p> <p>Tuvalu Monthly Near Real Time Sea Level Anomaly: January 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>AVISO SeaWiFS/QuikSCAT SLA</p>	
<p><b>Daily coral bleaching alert (Image 3):</b></p> <p>Tuvalu Daily Coral Bleaching Alert: 02 February 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	<p>Pacific Ocean Daily Coral Bleaching Alert: 07 February 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>



## Summary Statement

### Monthly and last three months: January 2025/November 2024 to January 2025 statement

The rainfall for January was below normal at Nui, above normal at Funafuti, and normal over Nanumea and Niulakita.

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

## Part 1i. Monthly and Seasonal Outlooks for March and March to May 2025

### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for March and March to May is likely or very likely to be below normal over Tuvalu, excepts the southwest Tuvalu EEZ including Niulakita are likely to be near normal.

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

## Part 2: Recent Ocean summary statement

### Monthly and last three months: January 2025/November 2024 to January 2025

January and averaged over November to January Sea surface temperatures (SSTs) around the group were utmost 1.5°C above normal.

January sea levels around Tuvalu were 50 to 250mm above normal

A coral bleaching on Watch to No thermal stress status are currently in effect for Tuvalu as of 07 February 2025.

## Part 2i. Monthly and Seasonal Outlooks for March and March to May 2025

### Ocean Variable statement

March sea surface temperatures and averaged over March to May around Tuvalu are predicted to be 0.4 to 0.8°C above normal, excepts the far northern parts Tuvalu EEZ are predicted to be near normal.

March sea levels around northern group are predicted to be -30 to 30mm near normal. In the central and southern group are predicted to be 30 to 100mm above normal.

Averaged over March to May, sea levels around Tuvalu are predicted to be 30 to -30mm near normal, whereas the central to western parts Tuvalu EEZ, sea levels are predicted to be 30 to 60mm above normal.

Coral Bleaching outlook indicates on Watch to No stress across the country for the next four weeks.

### In brief for Teleconference

- Rainfall was near normal to below normal for Nanumea, Nui and Niulakita in January and November to January, except Funafuti station where rainfall was above normal for both periods.
- The rainfall outlook generally indicates below average most likely in March and March to May.
- SSTs were near-normal to above normal for January and averaged over November to January. The outlook shows above normal SSTs for the next one and three months.

- Sea levels were above normal for January. Near-normal to above normal sea levels are predicted for March and March to May.
- Coral Bleaching outlook indicated Watch to No Stress across the country.

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

Product	Date: January 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Age group	Comments (If there are comments from you Stakeholders )
Climate Bulletin	22 <sup>nd</sup> Jan	MET Staff	30	18	12		20-50	Some of users not able to understand on information in the products (eg above normal, normal and below norma)
		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 (PWIDW)	2	1	1		40-50	
		All-Island Council	14	10	4		35-50	
		Permanent Sec	1	1			45-50	
		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	
		ClimateChange	1	1			40-55	
		TuvaluMaritime School	1	1			40-55	
EAR Watch	22 <sup>nd</sup> Jan	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 (PWIDW)	2	1	1		40-50	
		All-Island Council	14	10	4		35-50	
		Permanent Sec	1	1			45-50	
		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	
		ClimateChange						
		TuvaluMaritim	1	1			40-55	
		School						
Monthly Climate Briefing		Climate and Forecast Divisions	5	2	3		25-50	
Ocean Outlook	22nd Jan	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 (PWIDW)	2	1	1		40-50	
		All-Island Council	14	10	4		35-50	
		Permanent Sec	1	1			45-50	
		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	
		ClimateChange						
		TuvaluMaritim	1	1			40-55	
		School						
Climate data request								
Tuvalu CliDE user training workshop	29-31st Jan	Met Staff	16					
Fisheries bulletin development for Tuvalu	3-6 Feb	Tuvalu Department Trade National Fishing Coporation of Tuvalu						

		Community Fisheries Officers						
		Kaupule (Island Council)						
		Fisheries Observer and Fisheries Assistant office	50					
		Women group						
<b>Total</b>			<b>263</b>	<b>128+</b>	<b>72+</b>			