

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 203

Country: Tuvalu

Part 1: Recent climate

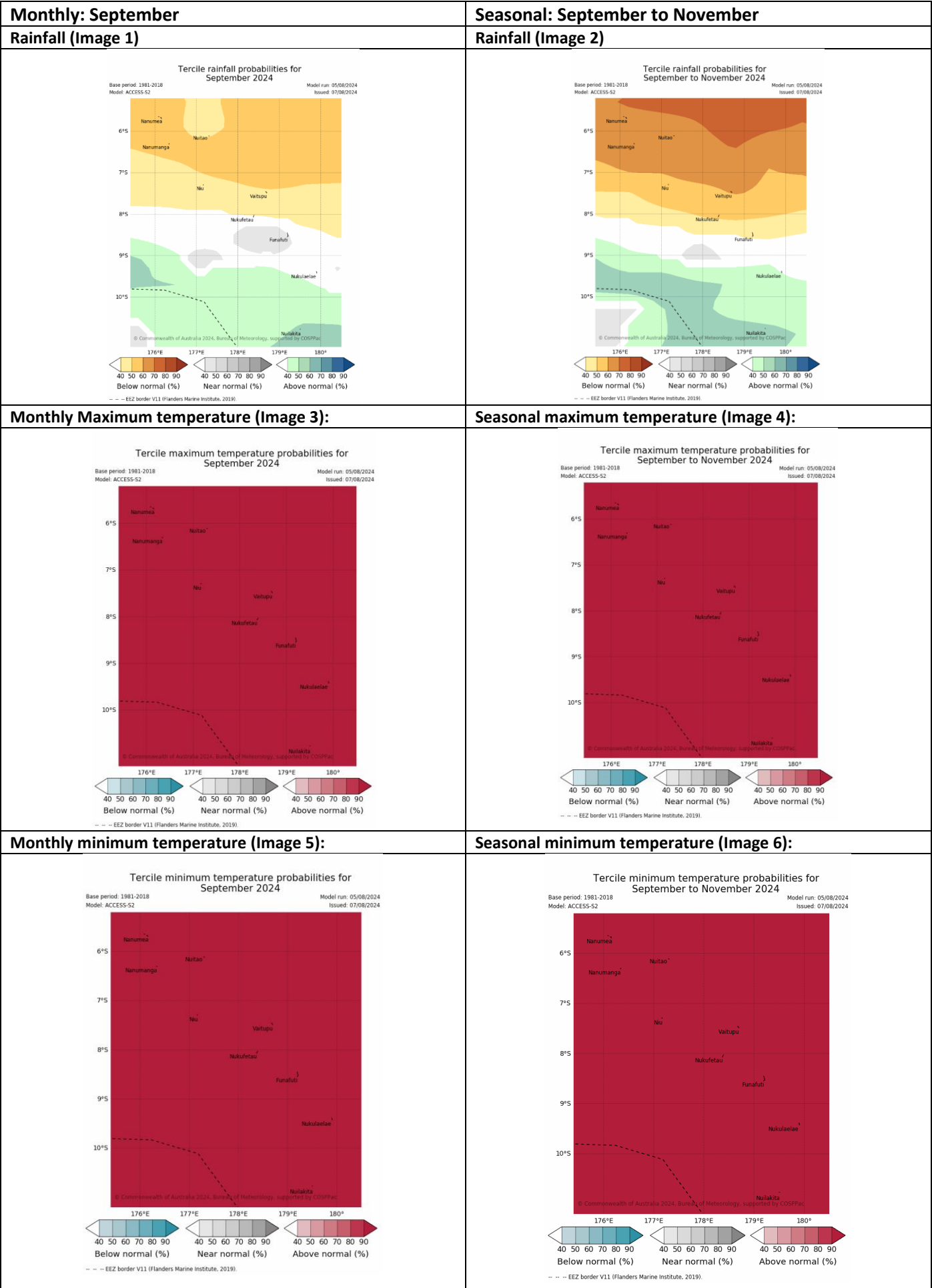
TABLE 1: Monthly Rainfall

Station (include data period)	May-2024	Jun-2024	Jul-2024				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2024)	351.2	257.7	307.5	123.5	219.8	156.1	70/83
Nui (1946-2024)	356.9	429.1	206.0	160.5	234.1	198.8	44/79
Funafuti (1933-2024)	223.2	447.7	285.8	191.3	269.2	221.1	62/92
Niulakita (1953-2024)	367.3	420.1	279.6	159.6	253.3	193.0	54/72

TABLE 2: Three-month Total Rainfall for May to July 2024

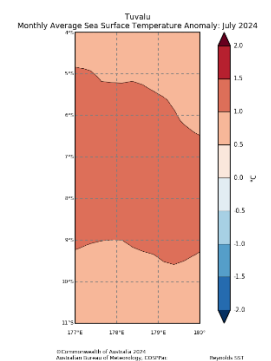
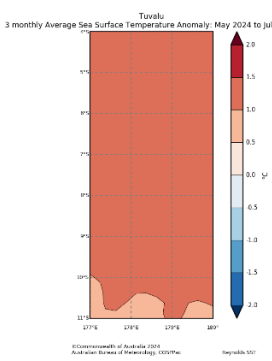
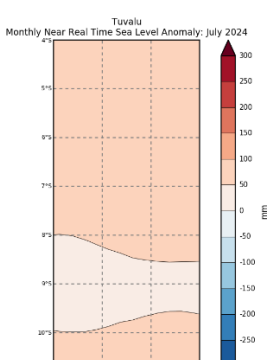
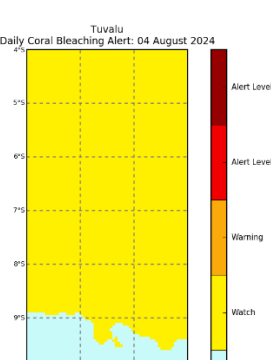
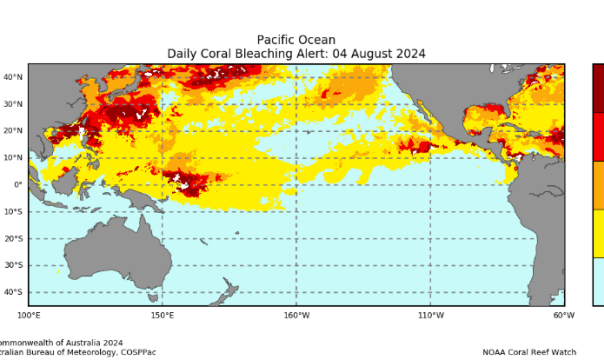
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	916.4	Above normal	444.0	713.5	556.9	74/83
Nui (1946-2024)	992.0	Above normal	500.0	696.0	578.6	72/79
Funafuti (1933-2024)	956.7	Above normal	615.2	749.0	694.6	80/92
Niulakita (1953-2024)	1067.0	Above normal	540.7	763.5	617.2	68/72

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



Part 2: Recent Ocean Observation

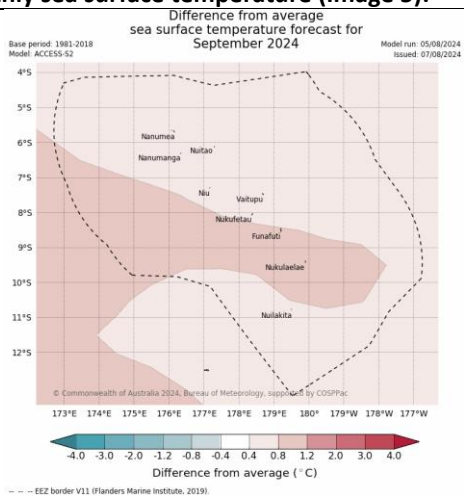
Monthly/Three months: July 2024 and May to July 2024

Monthly: July 2024	Last three months: May to July 2024:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
 <p>Tuvalu Monthly Average Sea Surface Temperature Anomaly: July 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac Reynolds, 501</p>	 <p>Tuvalu 3 monthly Average Sea Surface Temperature Anomaly: May 2024 to July 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac Reynolds, 501</p>
Sea level (Image 2):	
 <p>Tuvalu Monthly Near Real Time Sea Level Anomaly: July 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac AVISO SeaWiFS/QuikSCAT SLA</p>	
Daily coral bleaching alert (Image 3):	
 <p>Tuvalu Daily Coral Bleaching Alert: 04 August 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac NOAA Coral Reef Watch</p>	 <p>Pacific Ocean Daily Coral Bleaching Alert: 04 August 2024</p> <p>© Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac NOAA Coral Reef Watch</p>

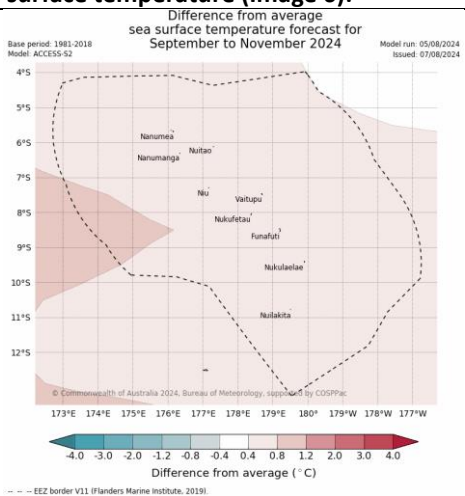
Part 2i. Monthly and Seasonal Outlooks for September and September to November 2024

Monthly: September | Seasonal: September to November

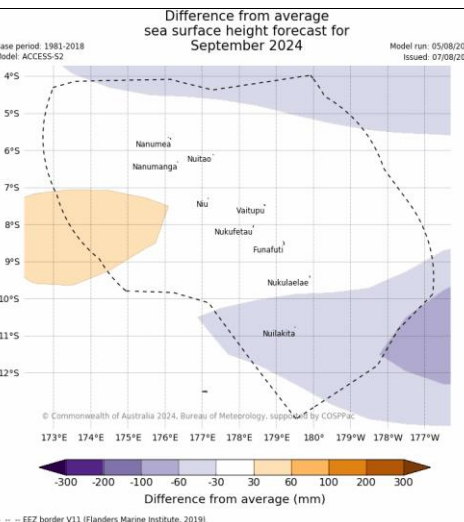
Monthly sea surface temperature (Image 5):



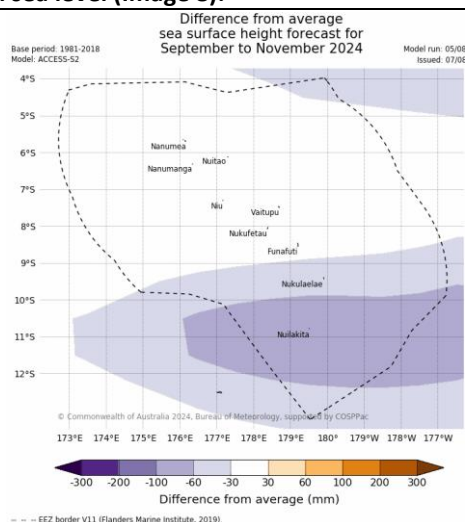
Seasonal sea surface temperature (Image 6):



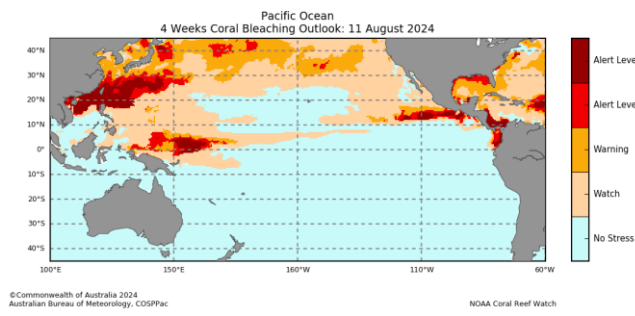
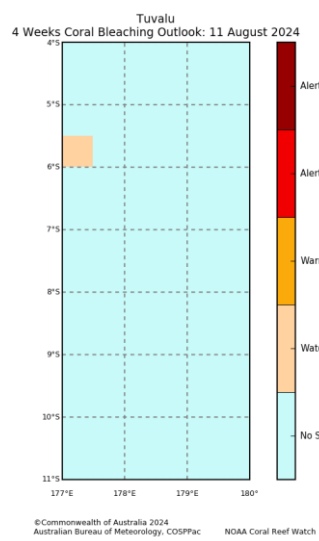
Monthly sea level (Image 7):



Seasonal sea level (Image 8):



4-week Coral Bleaching (Image 9):



Summary Statement

Monthly and last three months: July 2024/May to July 2024 statement

The rainfall for July was above normal over Nanumea, Funafuti and Niulakita, while near normal at Nui.

For the past three months, rainfall was above normal at all stations of Tuvalu. Niulakita recorded its fifth wettest May to July on record.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for September and September to November is likely or very likely to be below normal over Northern and parts of Central groups including Funafuti. The outlook offers little guidance parts of central Tuvalu, while at Nukulaelae and Niulakita, the rainfall is likely to be above normal.

Maximum and minimum temperatures during September and averaged over September to November are likely or very likely to be above normal over Tuvalu.

Part 2: Recent Ocean summary statement

Monthly and last three months: July 2024/May to July 2024

July ocean temperatures around Tuvalu were 0.5 to 1.0°C above normal.

Averaged over May to July, ocean temperatures around Tuvalu were 1.0 to 1.5°C above normal.

July sea levels around Northern and Central groups were 50mm to 100mm above normal and near normal for some parts of Southern groups Tuvalu.

Coral bleaching Alert on 'Watch' over Northern and Central groups, but there is a 'No thermal stress' stretching at Southern group of Tuvalu.

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

Ocean Variable statement

September ocean temperatures over Northern and Central groups are predicted to be 0.4 to 0.8°C above normal. While Southern group are predicted to be 0.4 to 1.2°C above normal.

Averaged over September to November, ocean temperatures around Tuvalu are predicted to be 0.4 to 0.8°C above normal.

September and averaged over September to November sea levels around Tuvalu are predicted to be -30mm to 30mm near normal and below normal at Southern group.

Coral Bleaching Outlook predicted to No stress for Tuvalu.

IN BRIEF for Teleconference

- Rainfall was above normal for July and May to July.
- The September and September to November rainfall outlook generally indicates below normal likely for northern region, little guidance for central and above normal rainfall likely for southern of Tuvalu.
- SSTs were above normal for July and May to July. The outlook shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSH) were near normal to above normal for July. Near-normal to below normal sea surface heights are predicted for September and September to November.
- Coral Bleaching Outlook shows No thermal stress across the Country.

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

Product	Date: July 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	26/07/24	MET Staff	24	13	11			
		Disaster Dept	2	2				
		TRC	1		1			
		TuCAN	2		2			
		Agriculture	1	1				
		All Civil Servants	All					
		All-Kaupule Secretary	13	7	6			
EAR Watch	26/07/24	MET Staff	24	13	11			
		Disaster Dept	2	2				
		TRC	1		1			
		TuCAN	2		2			
		Agriculture	1	1				
		All Civil Servants	All					
		All-Kaupule Secretary	13	7	6			
Monthly Climate Briefing	21/07/24	MET Staff	5	2	3			
Ocean Outlook	26/07/24	MET Staff	24	13	11			
		Disaster Dept	2	2				
		TRC	1		1			
		TuCAN	2		2			
		Agriculture	1	1				
		Fisheries Dept	3					
		All	All					

		All Civil Servants						
		All-Kaupule Secretary	13	7	6			
Climate data request								
Total			137	73	64			