Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 201

Country: Tuvalu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2024	Apr-2024	May-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2024)	373.8	265.2	351.2	130.8	253.5	199.6	75/84
Nui (1946-2024)	391.6	224.4	356.9	151.1	216.5	185.7	71/79
Funafuti (1933-2024)	249.8	226.1	223.2	197.4	264.7	230.5	48/92
Niulakita (1953-2024)	252.4	234.6	367.3	169.9	247.9	207.0	62/72

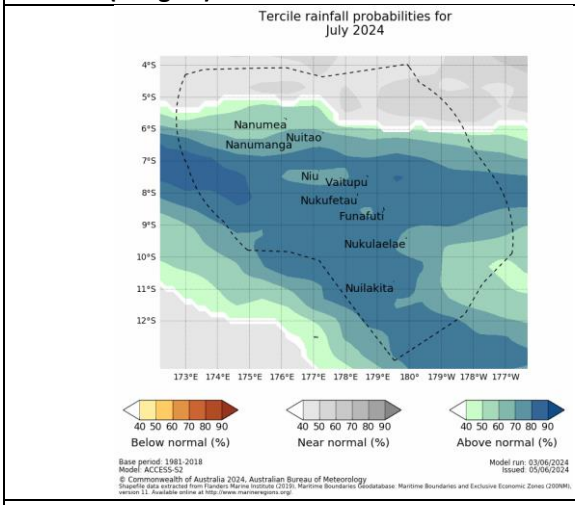
TABLE 2: Three-month Total Rainfall for March to May 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	990.2	Above normal	542.1	881.9	772.6	65/82
Nui (1946-2024)	972.9	Above normal	561.0	846.3	705.0	63/79
Funafuti (1933-2024)	699.1	Normal	686.4	919.9	794.2	34/92
Niulakita (1953-2024)	854.3	Normal	674.1	912.0	820.4	41/72

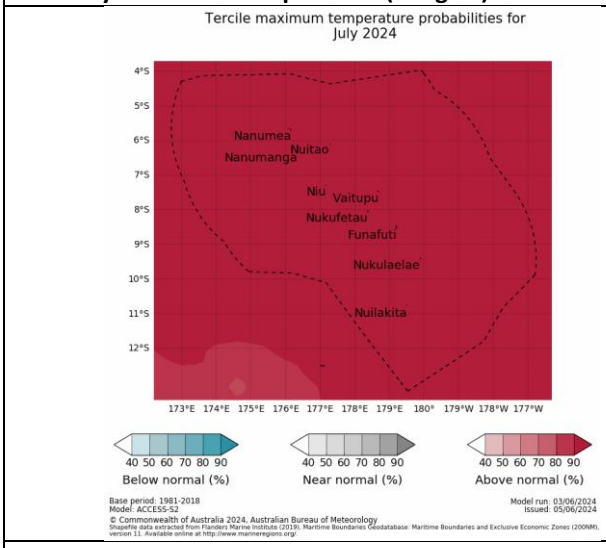
Part 1i. Monthly and Seasonal Outlooks for July and July to September 2024

Monthly: July

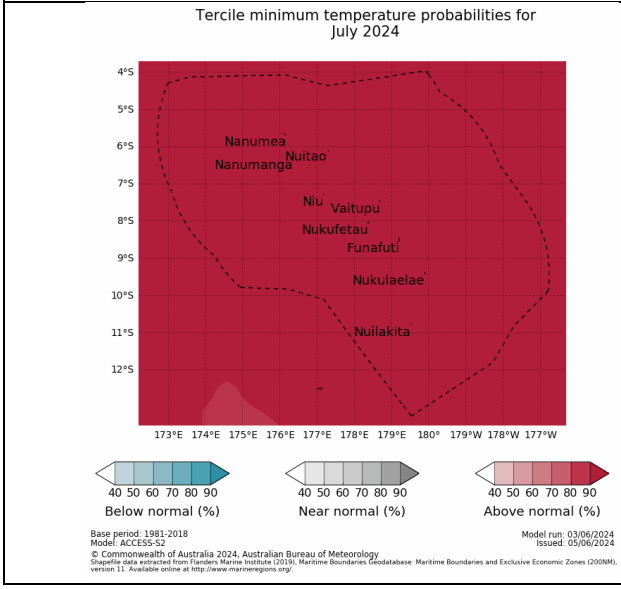
Rainfall (Image 1)



Monthly Maximum temperature (Image 3):

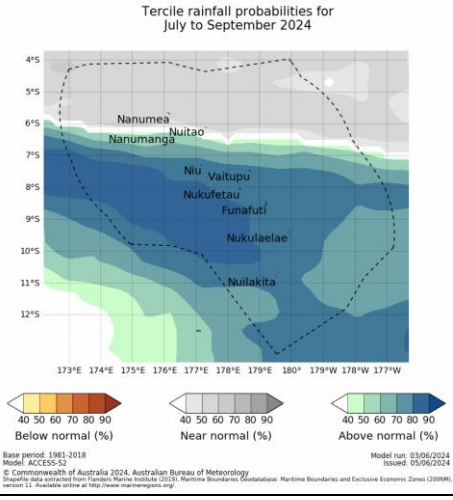


Monthly minimum temperature (Image 5):

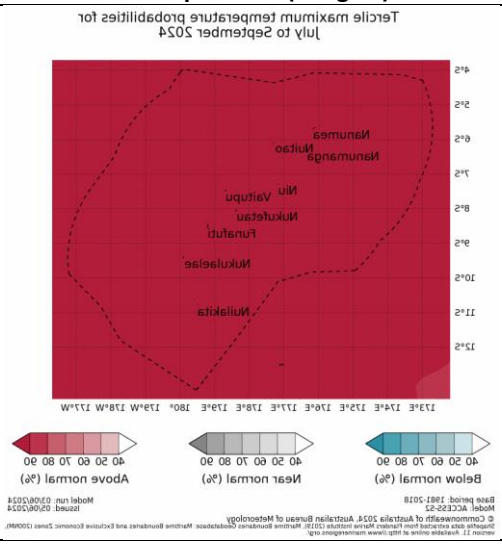


Seasonal: July to September

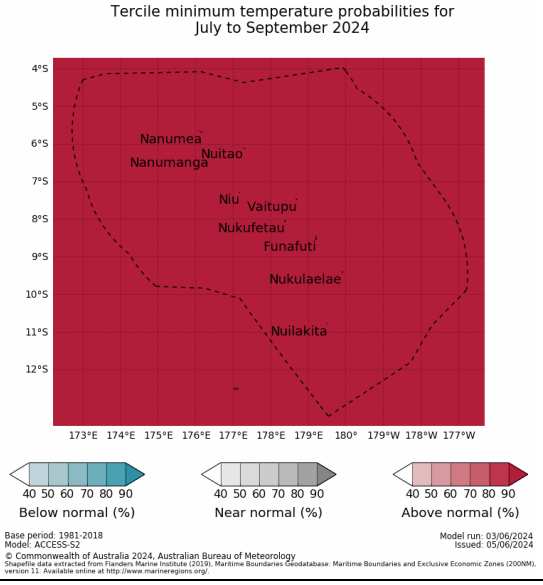
Rainfall (Image 2)



Seasonal maximum temperature (Image 4):

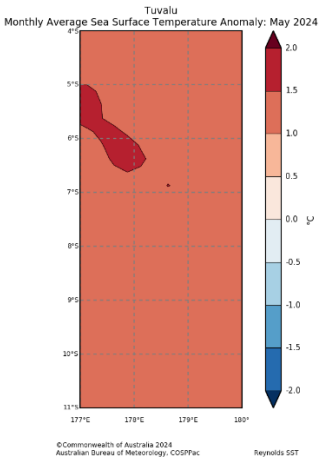
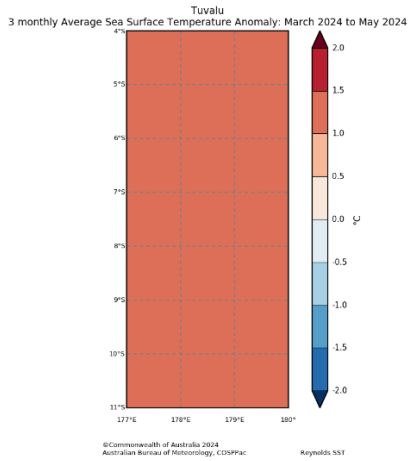
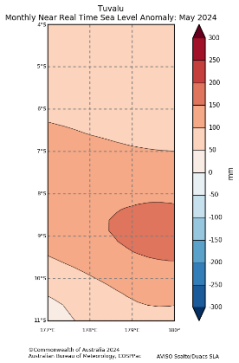
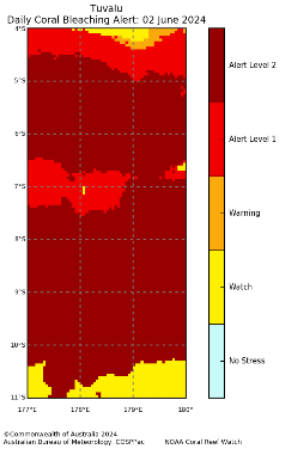
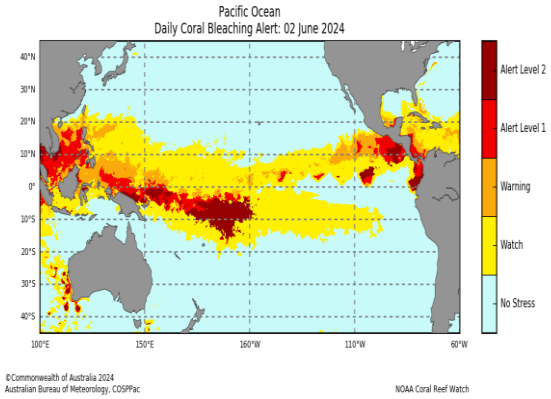


Seasonal minimum temperature (Image 6):

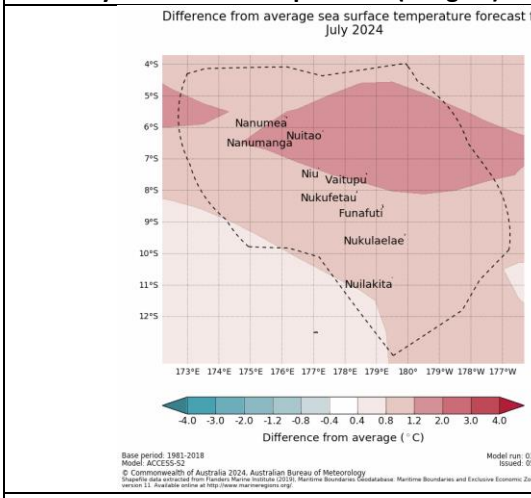
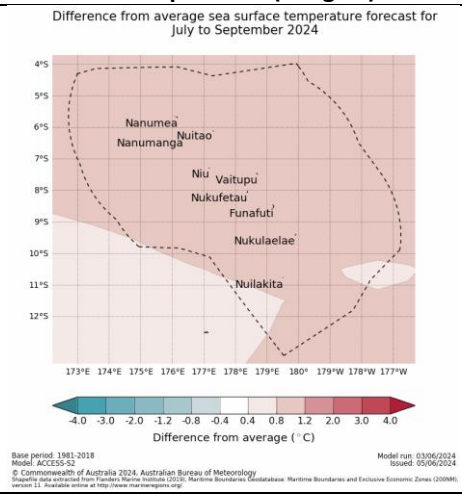
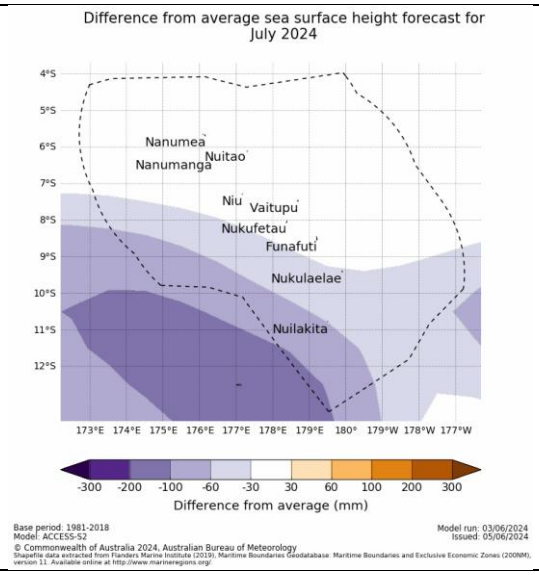
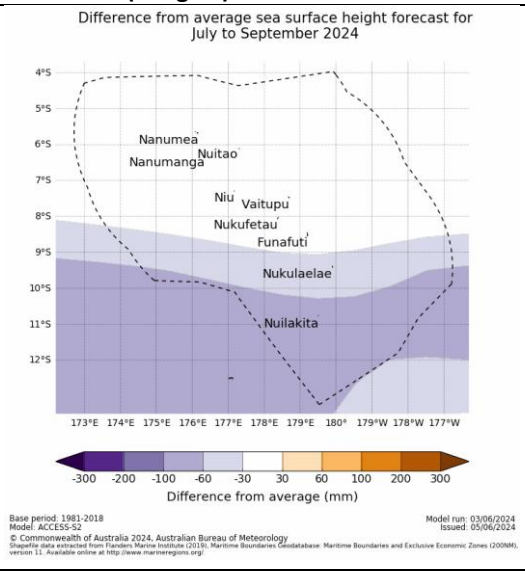
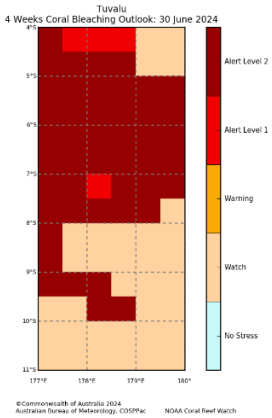
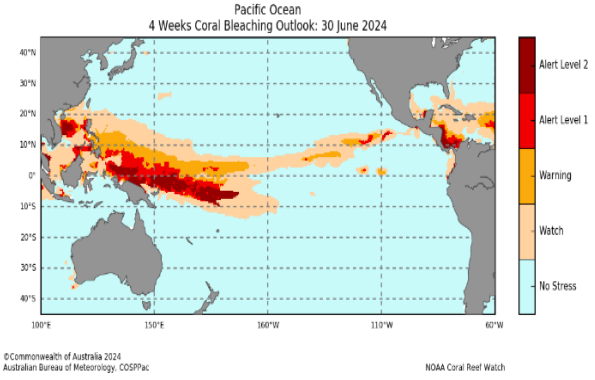


Part 2: Recent Ocean Observation

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

Monthly: May 2024	**Last three months: March to May 2024:**
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 July and July to September 2024

Monthly: July	Seasonal: July to September
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: May 2024/March to May 2024 statement

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

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

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July and July to September is very likely to be above normal over most of Tuvalu, except the far north of Tuvalu's EEZ where rainfall is likely to be near-normal. This includes Nanumea for July to September.

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

Part 2: Recent Ocean summary statement

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

May and averaged over March to May ocean temperatures around Tuvalu were 1.0 to 1.5°C above normal.

May sea levels around Northern group were 0mm to 50mm near normal. For the Central and Southern groups sea levels were 50mm to 200mm above normal.

There is a coral bleaching 'Alert Level 2 for most parts of Tuvalu.

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

Ocean Variable statement

July ocean temperatures around Northern group and Central group are predicted to be 1.2 to 2.0°C above normal, while Southern group are predicted to be 0.8 to 1.2°C above normal.

Averaged over July to September, ocean temperatures around Tuvalu are predicted to be 0.8 to 1.2°C above normal.

Sea levels in July and averaged over July to September, are predicted to be near-normal around Northern and Central groups, and below normal over the Southern group.

Coral Bleaching Outlook shows Alert Level 2 over Northern and Central groups, but on watch for the Southern group of Tuvalu.

IN BRIEF for Teleconference

- Rainfall was near-normal to above normal in May and during March to May.
- Rainfall is very likely to be above normal in July and July to September over most of the country.
- SSTs were above normal for May and March to May. The outlook shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSH) were near normal to above normal for May. Near-normal to below normal sea surface heights are predicted for July and July to September.

- Coral Bleaching Alert, shows Alert Level 2over Northern and Central groups, but on watch at Southern group.

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

Product	Date: May 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin	26/05/24	MET Staff	24	13	11	
		Disaster Dept	2	2		
		TRC	1		1	
		TuCAN	2		2	
		Agriculture	1	1		
		All Civil Servants	All			
		All-Kaupule	13	7	6	
		Secretary				
EAR Watch	26/05/24	MET Staff	24	13	11	
		Disaster Dept	2	2		
		TRC	1		1	
		TuCAN	2		2	
		Agriculture	1	1		
		All Civil Servants	All			
		All-Kaupule	13	7	6	
		Secretary				
Monthly Climate Briefing	26/05/24	MET Staff	4 (Climate Division)	2	2	
			1 (Forecast Division)	1		
Ocean Outlook	26/05/24	MET Staff	24	13	11	
		Disaster Dept	2	2		
		TRC	1		1	
		TuCAN	2		2	
		Agriculture	1	1		
		Fisheries Dept	3	1	2	
		All Civil Servants	All			
		All-Kaupule	13	7	6	
		Secretary				
Climate data request						
		Total	**137**	**73**	**64**	