Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 200

Country: Tuvalu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2024	Mar-2024	Apr-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2024)	532.6	373.8	265.2	197.1	270.3	227.0	54/83
Nui (1946-2024)	594.4	391.6	224.4	151.4	271.0	200.1	43/79
Funafuti (1933-2024)	337.0	249.8	226.1	188.0	310.5	238.2	41/92
Niulakita (1953-2024)	372.5	252.4	234.6	167.8	265.9	213.4	43/72

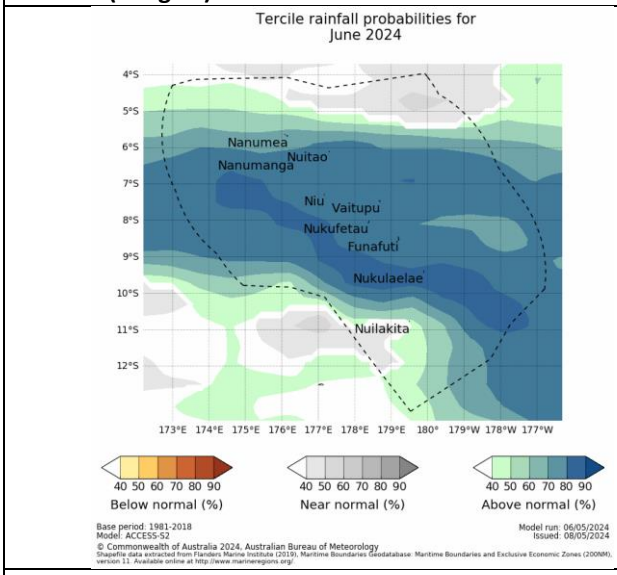
TABLE 2: Three-month Total Rainfall for February to April 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2024)	1171.6	Above normal	635.4	997.0	810.2	70/82
Nui (1946-2024)	1210.4	Above normal	695.2	980.0	813.2	65/79
Funafuti (1933-2024)	812.9	Below normal	821.4	1050.7	941.4	30/92
Niulakita (1953-2024)	859.5	Normal	794.7	1014.3	924.0	27/72

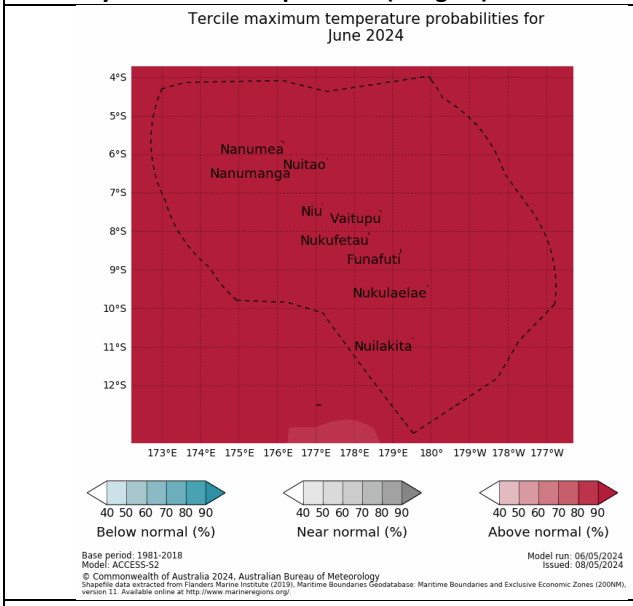
Part 1i. Monthly and Seasonal Outlooks for June and June to August 2024

Monthly: June

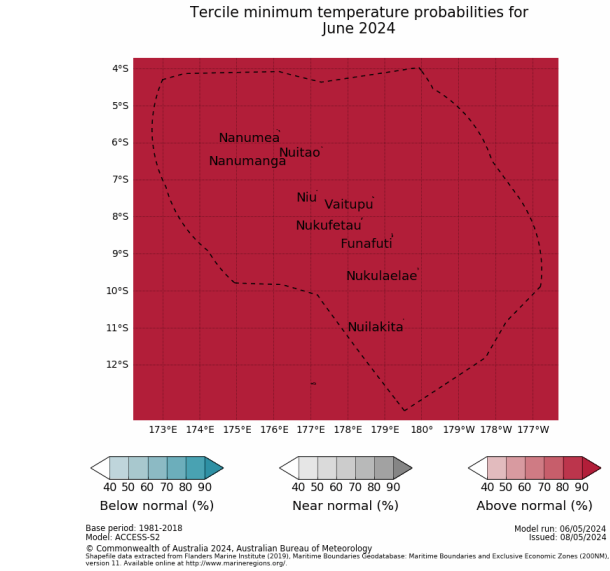
Rainfall (Image 1)



Monthly Maximum temperature (Image 3):

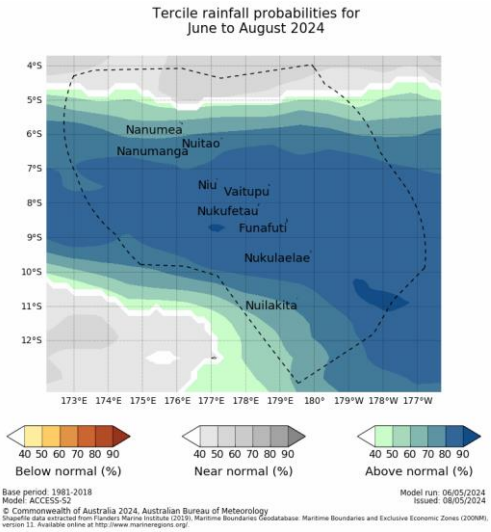


Monthly minimum temperature (Image 5):

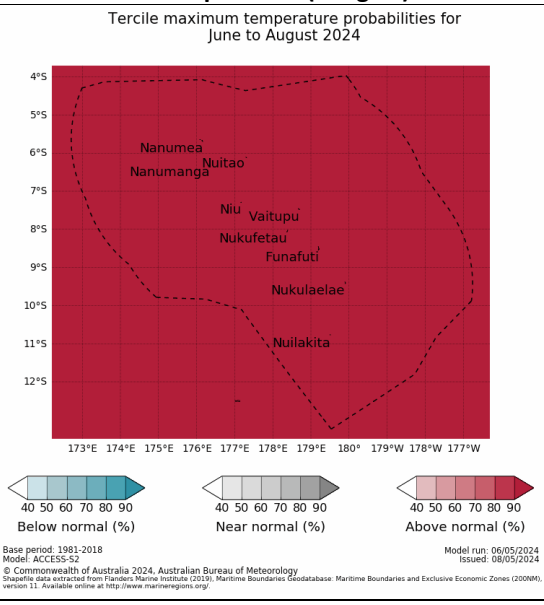


Seasonal: June to August

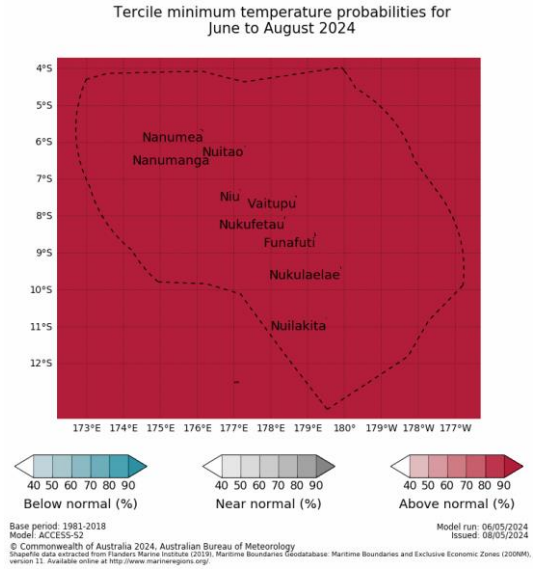
Rainfall (Image 2)



Seasonal maximum temperature (Image 4):

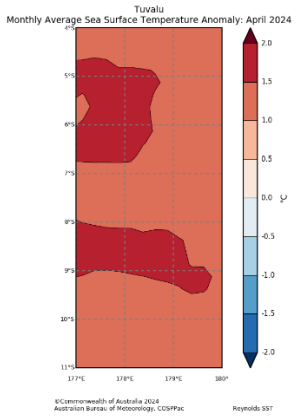
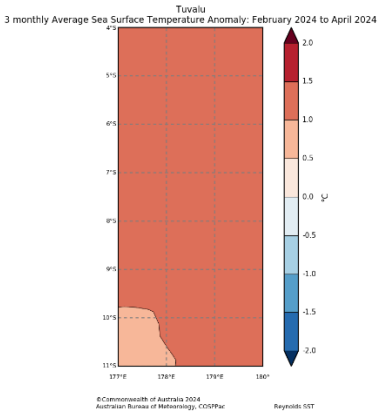
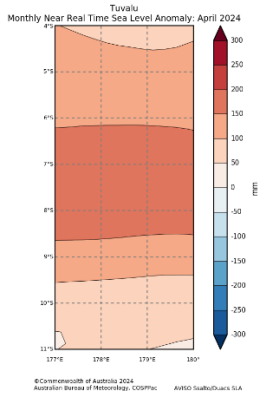
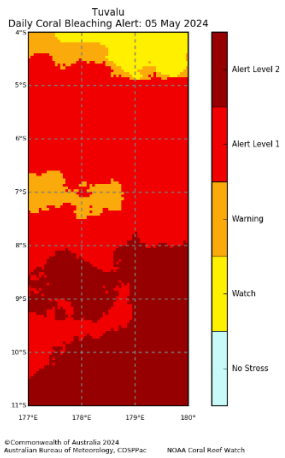
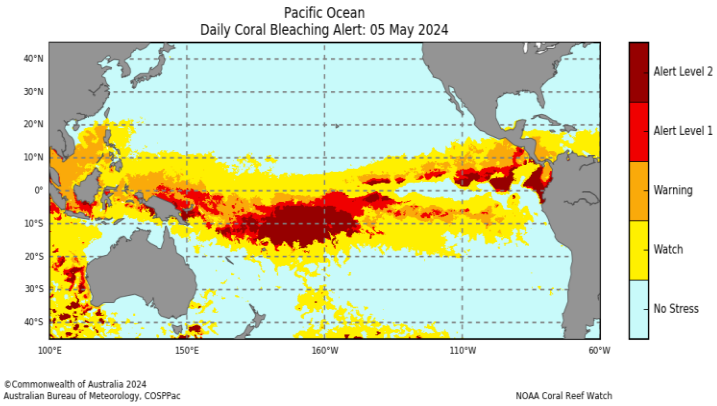


Seasonal minimum temperature (Image 6):



Part 2: Recent Ocean Observation

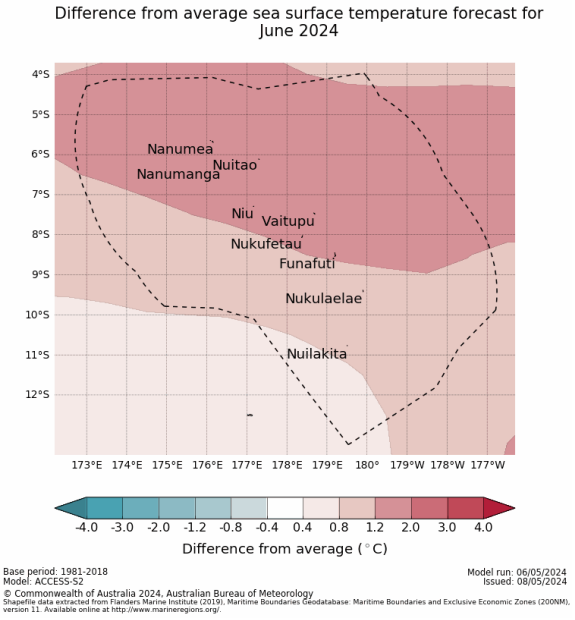
Monthly/Three months: April 2024 and February to April 2024

Monthly: April 2024	**Last three months: February to April 2024:**
Sea Surface Temperature (Image 1):	**Sea Surface Temperature (Image 4):**
	
Sea level (Image 2):	
	
Daily coral bleaching alert (Image 3):	
	

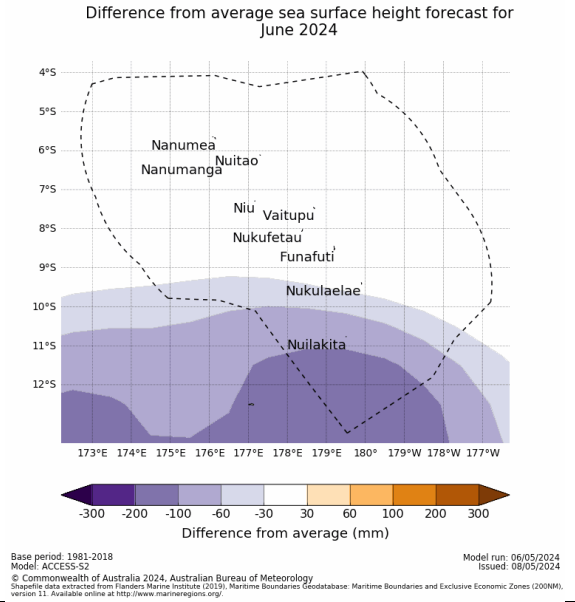
Part 2i. Monthly and Seasonal Outlooks for June and June to August 2024

Monthly: June

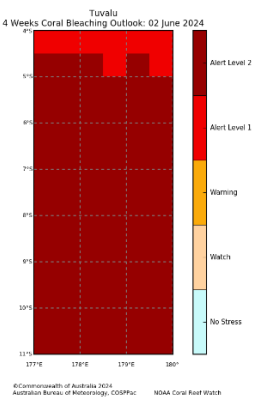
Monthly sea surface temperature (Image 5):



Monthly sea level (Image 7):

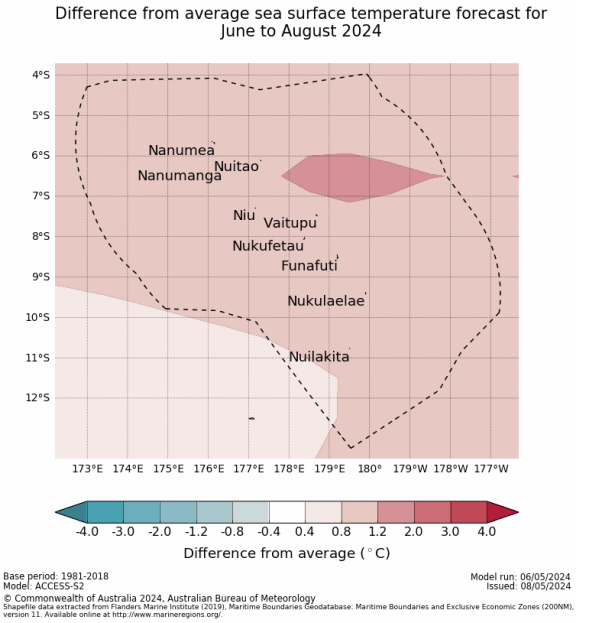


4-week Coral Bleaching (Image 9):

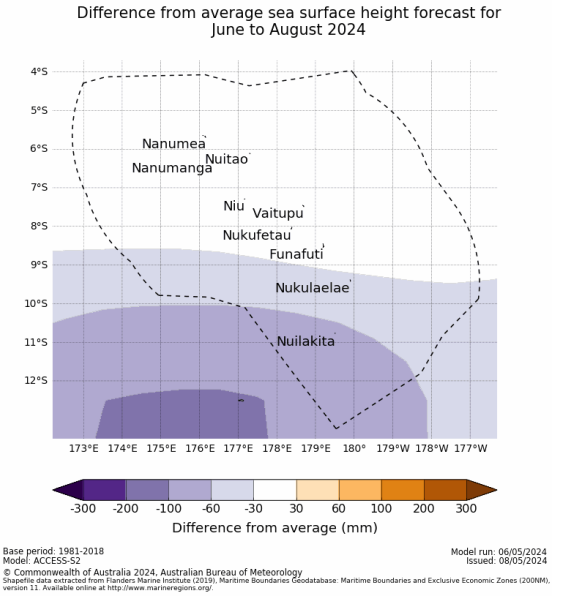


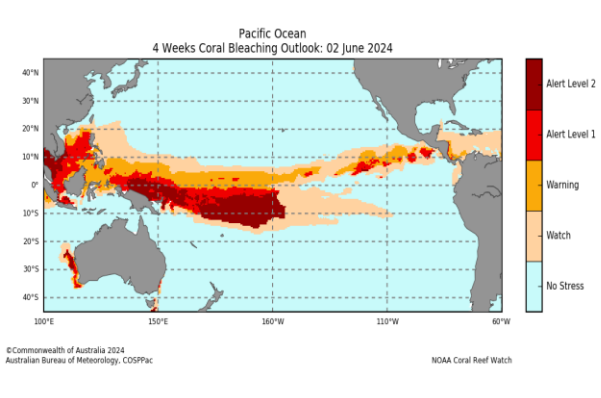
Seasonal: June to August

Seasonal sea surface temperature (Image 6):



Seasonal sea level (Image 8):





Summary Statement

Monthly and last three months: April 2024/February to April 2024 statement

The rainfall for April was near-normal across Tuvalu.

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

Part 1i. Monthly and Seasonal Outlooks for June and June to August 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for June and June to August is likely or very likely to be above normal over most of Tuvalu, except for the far north of the EEZ where near-normal rainfall is likely.

Maximum and minimum temperatures during June and averaged over June to August are very likely to be above normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: April 2024/February to April 2024

April ocean temperatures around Tuvalu were 1.0 to 2.0°C above normal.

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

April sea levels around the Northern and Southern groups were 50 to 150mm above normal, while Central group sea levels were 150 to 200mm above normal.

Coral Bleaching Alert shows Alert Level 1 to Alert Level 2 in most parts of Tuvalu.

Part 2i. Monthly and Seasonal Outlooks for June and June to August 2024

Ocean Variable statement

June ocean temperatures around Tuvalu are predicted to be 0.4 to 2.0°C above normal.

Averaged over June to August, ocean temperatures around Tuvalu are predicted to be 0.4 to 1.2°C above normal.

June and averaged over June to August sea levels around Northern group and Central group are predicted to be -30mm to 30mm near normal. For the Southern group, sea levels are predicted to be 30 to 200mm below normal.

Four-week coral bleaching outlook shows Alert Level 2 around Tuvalu.

IN BRIEF for Teleconference

- Rainfall was near-normal for April across Tuvalu, and at Niulakita for February to April. Nanumea and Nui recorded above normal rainfall during February to April, while Funafuti recorded below normal.
- The rainfall outlook generally indicates above normal most likely in June and June to August.
- SSTs were above normal for April and February to April. The outlook shows above SSTs for the next one and three months.
- Sea-surface heights (SSHs) were above normal for April. Near-normal sea surface heights are predicted for June and June to August in the Northern group and Central group, while below normal over the Southern group of Tuvalu.
- Coral Bleaching Alert shows Alert Level 1 to Alert Level 2. The Outlook for the next four weeks shows an Alert Level 2 over Tuvalu.

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

Product	Date: April 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin	26/04/24	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	26/04/24	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	26/04/24	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				
Ocean Outlook	26/04/24	MET Staff	24	13	11	
		Fisheries Dept	3	1	2	

		Disaster Dept TRC TuCAN Agriculture All Civil Servants All-Kaupule Secretary	2 1 2 1 All 13	2 1 7	 1 2 6	
Dry Seasons Outlook Forum 2024	26/04/24	Met Staff Climate Change Dpt Agriculture Dtp Waters Detp Funfafuti Community	24 2 1 1	13 1 1 1	11 1	
Climate data request						
		Total	**203**	**109**	**94**	