Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 186

Country: Tuvalu

Part 1: Recent climate

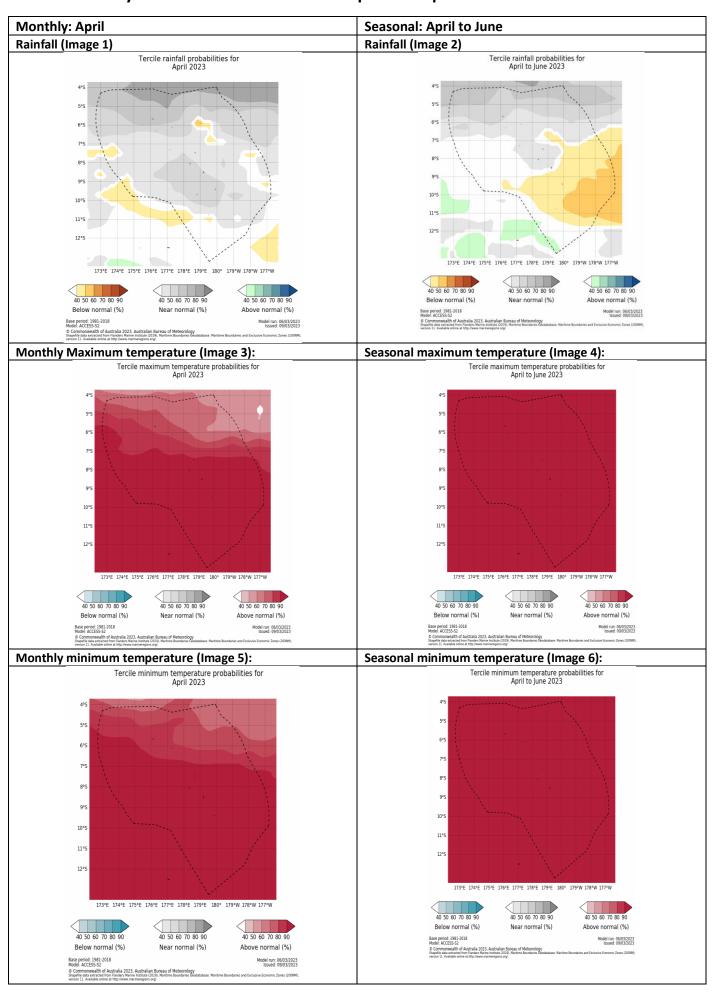
TABLE 1: Monthly Rainfall

	Dec-	Jan-	Feb-2023				
' Station (include data period)	2022	2023	Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)			Nank	
Nanumea (1941-2023)	172.9	80.6	52.0	164.6	328.4	263.4	7/83
Nui (1946-2023)	268.7	196.8	170.2	223.0	352.8	283.6	18/78
Funafuti (1933-2023)	331.9	250.4	424.8	257.9	426.2	330.6	59/91
Niulakita (1953-2023)	337.4	129.8	91.3	265.7	391.8	328.0	4/71

TABLE 2: Three-month Total Rainfall for December 2022 to February 2023

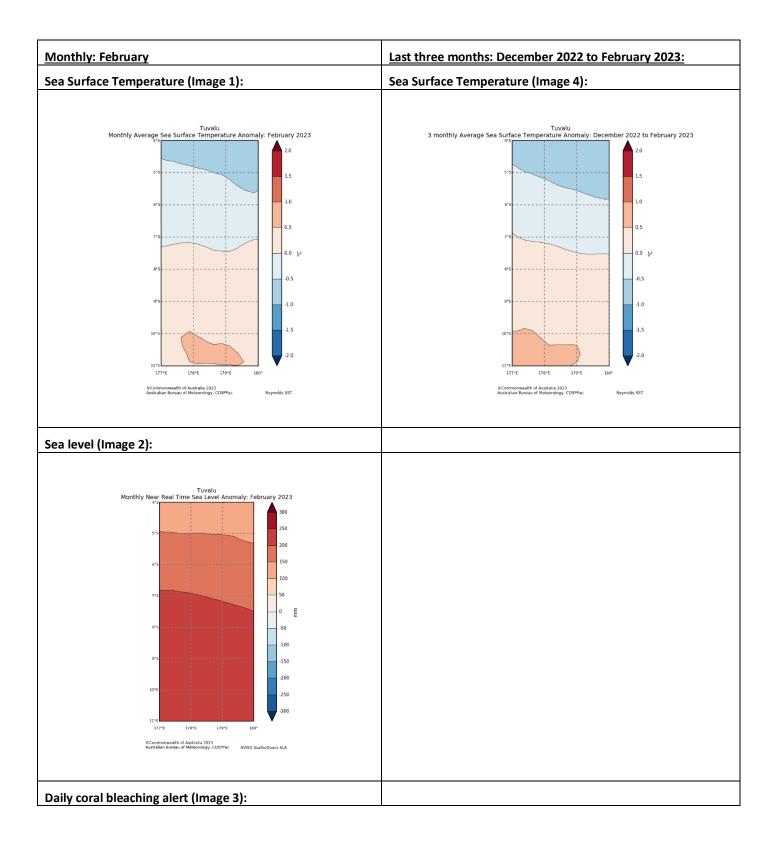
Station	Three-	month Total	33%tile	67%tile	Median	Rank
Nanumea (1941-2023)	305.5	Below normal	704.8	1131.0	969.6	9/83
Nui (1946-2023)	635.7	Below normal	824.5	1186.0	1063.1	11/78
Funafuti (1933-2023)	1007.1	Normal	993.5	1259.1	1023.6	30/91
Niulakita (1953-2023)	558.5	Below normal	897.0	1181.0	1114.8	4/68

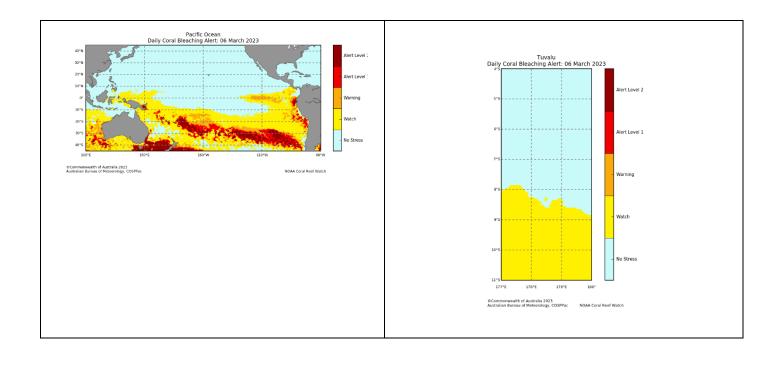
Part 1i. Monthly and Seasonal Outlooks for April and April to June 2023



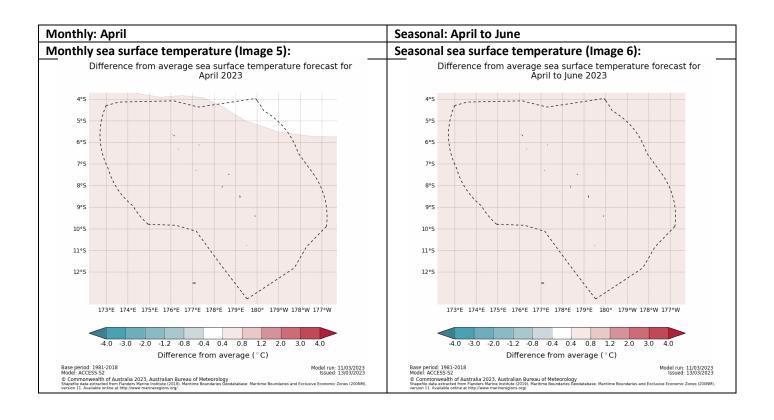
Part 2: Recent Ocean Observation

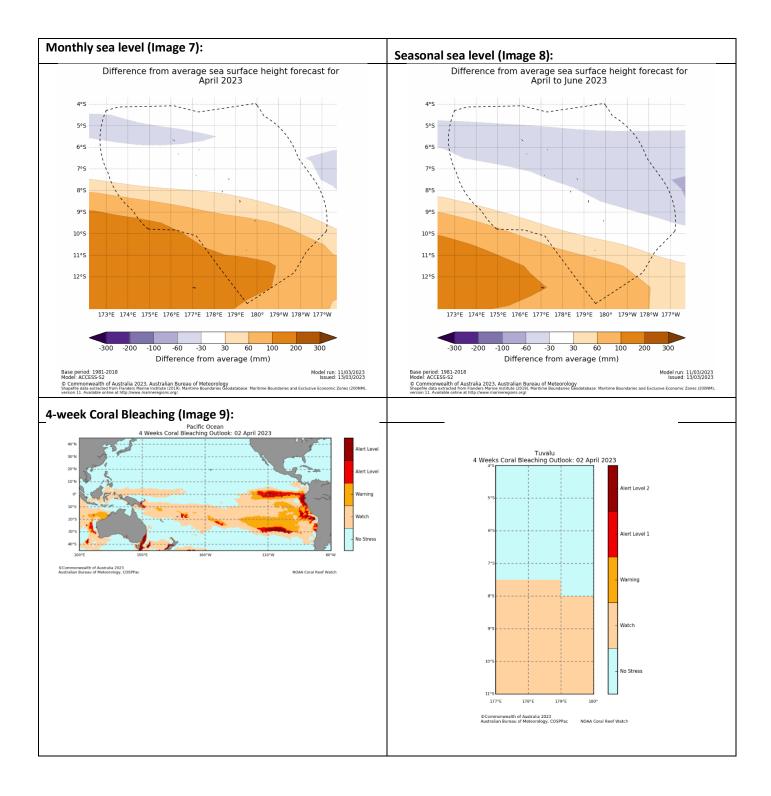
Monthly/Three months: February 2023 and December 2022 to February 2023





Part 2i. Monthly and Seasonal Outlooks for April and April to June 2023





Summary Statement

Monthly and last three months: February 2023/December 2022 to February 2023 statement

Below normal rainfall was observed at Nanumea, Nui and Niulakita for February 2023 and December 2022 to February 2023, while Funafuti observed nearnormal rainfall for both periods.

Part 1i. Monthly and Seasonal Outlooks for April and April to June 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for April is likely or very likely to be near-normal over most of the country.

The rainfall for April to June is likely or very likely to be near-normal over the northern and central parts of the country, while the southeastern part, including Niulakita, is likely to be below normal.

Maximum and minimum temperatures during April and averaged over April to June are very likely to be above normal over the whole country.

Part 2: Recent Ocean summary statement

Monthly and last three months: February 2023/December 2022 to February 2023

February and averaged December 2022 to February 2023 ocean temperatures were 0.5 to 1.0°C above normal for southern Tuvalu Islands, while the northern part reveals -0.5 to -1.0°C.

February sea levels around Tuvalu were 100mm to 300mm above normal.

Coral Bleaching is on watch alert southwest part of the country.

Part 2i. Monthly and Seasonal Outlooks for April and April to June 2023

Ocean Variable statement

April and averaged April to June ocean temperatures over the whole country are predicted to be 0.4 to 0.8°C (above normal).

April sea levels for southern Tuvalu is 30mm to 200mm above normal, with far northern Tuvalu predicted to be below normal from –30mm to –60mm.

Averaged over April to June, sea levels are predicted to be above normal ranging from 30mm to 100mm for far southern Tuvalu. Below normal sea levels of –30mm to –60mm for northern Tuvalu.

Coral bleaching outlook for the next four weeks is on 'Watch' status for central and southern Tuvalu.

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

	Product	Date: February	Stakeholder	Total Number of	Number of male	Number of female
	2023		Participants			

Climate Bulletin	MET Staff	22	17	5
	Disaster Dept	2	2	
	TRC	2	1	1
	TuCAN	1	1	
	Agriculture	2		2
	All Civil Servants			
	All Kaupule Secretary			
EAR Watch	MET Staff	22	17	5
	Disaster Dept	2	2	
	TRC	2	1	1
	TuCAN	1	1	
	Agriculture	2		2
	All Civil Servants			
	All Kaupule Secretary			
Monthly Climate	MET Staff	22	17	5
Briefing	Disaster Dept	2	2	
	TRC	2	1	1
	TuCAN	1	1	
	Agriculture	2		2
	All Civil Servants			
	All Kaupule Secretary			
Ocean Outlook	MET Staff	22	17	5
	Disaster Dept	2	2	
	TRC	2	1	1
	TuCAN	1	1	
	Agriculture	2		2
	All Civil Servants			
	All Kaupule Secretary			
Climate data request	Students	2		2
	Total	117	85	34