Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 189

Country: Tuvalu

Part 1: Recent climate

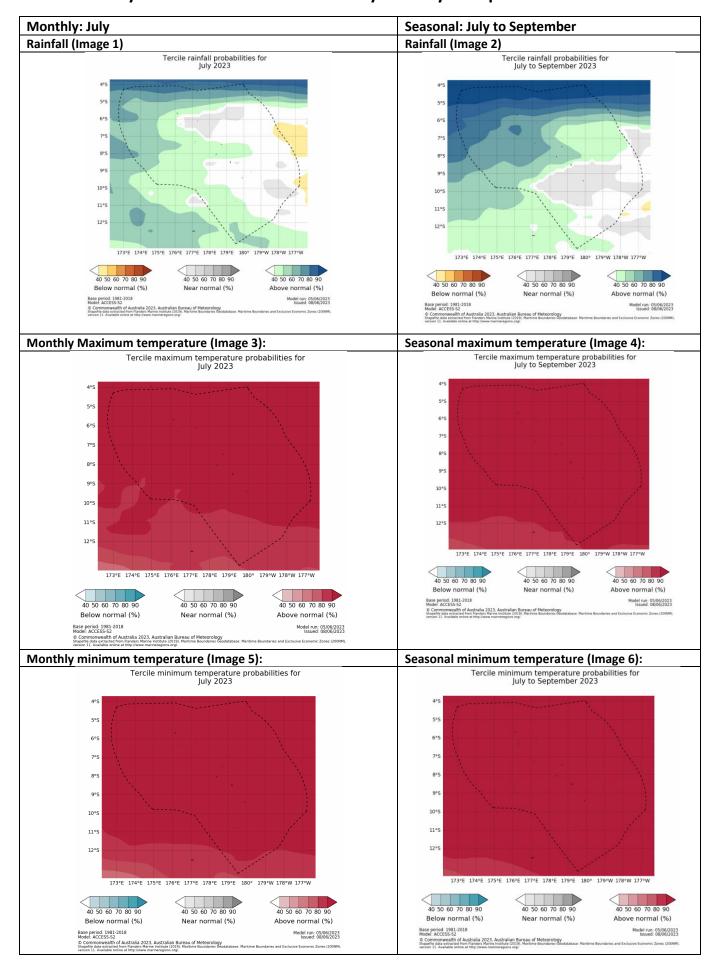
TABLE 1: Monthly Rainfall

	Mar-	Apr-					
Station (include data period)	2023	2023	Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nank
Nanumea (1941-2023)	108.4	139.4	95.4	131.1	256.7	200.9	17/83
Nui (1946-2023)	247.1	285.4	213.5	150.6	218.0	185.4	53/78
Funafuti (1933-2023)	299.4	270.5	166.7	198.3	266.4	230.5	26/91
Niulakita (1953-2023)	137.1	128.3	121.9	170.2	248.9	207.5	13/71

TABLE 2: Three-month Total Rainfall for March to May 2023

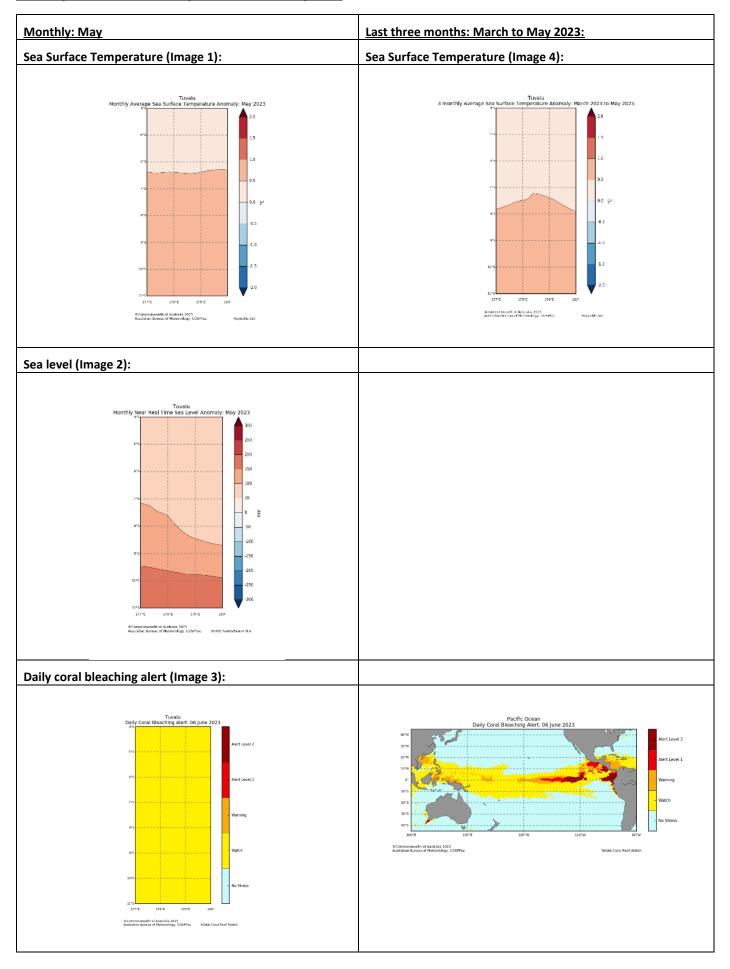
Station	Three-month Total		33%tile	67%tile	Median	Rank	
	Rainfall (mm)						
Nanumea (1941-2023)	343.2	Below normal	554.4	883.3	775.0	7/81	
Nui (1946-2023)	746.0	Normal	555.9	854.3	698.5	44/78	
Funafuti (1933-2023)	736.6	Normal	681.3	924.2	796.5	38/91	
Niulakita (1953-2023)	387.3	Below normal	681.0	912.1	822.9	3/71	

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

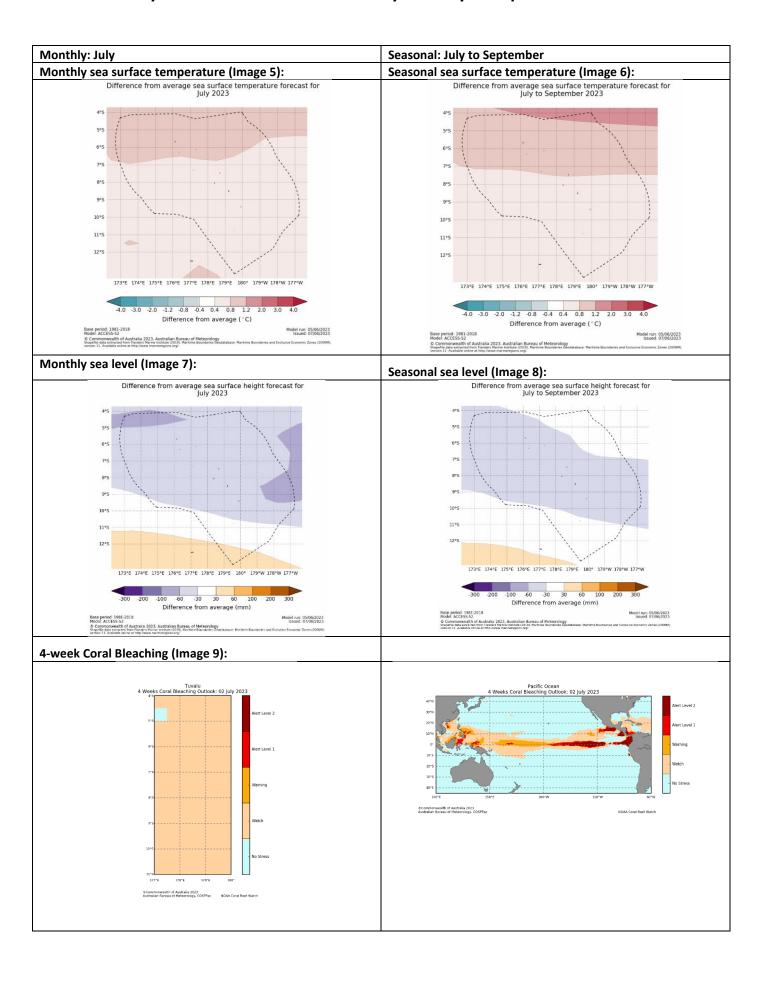


Part 2: Recent Ocean Observation

Monthly/Three months: May and March to May 2023



Part 2i. Monthly and Seasonal Outlooks for July and July to September 2023



Summary Statement

Monthly and last three months: May 2023/March to May 2023 statement

Nanumea, Niulakita and Funafuti recorded below normal rainfall for May, while Nui recorded normal rainfall.

During the last three months, Niulakita and Nanumea recorded below normal rainfall, while Nui and Funafuti recorded normal rainfall. Niulakita recorded its third driest March to May in 71 years of record, while Nanumea recorded its seventh driest in 81 years of record.

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

Monthly /Seasonal rainfall and temperature Outlook statements

July rainfall is likely or very likely to be above normal for Nanumea, Nui and Niulakita, while near-normal is likely for the north-central part of Tuvalu. The outlook offers little guidance for the eastern side of Tuvalu's EEZ, including Funafuti.

July to September rainfall is likely or very likely to be above normal for the northern half of Tuvalu and some parts of the southwest, while the central region is likely to have near-normal rainfall.. The outlook offers little guidance for some parts of southern and eastern Tuvalu. This shows a clear indication of progression of El Niño and its impact on rainfall in Tuvalu.

Maximum and minimum temperatures outlook for July and averaged over July to September 2023 are very likely to be above normal over Tuvalu.

Part 2: Recent Ocean summary statement

Monthly and last three months: May 2023/March to May 2023

May ocean temperatures around the Northern group were 0.0 to 0.5 °C near normal. In the Central and Southern group were 0.5 to 1.0 °C above normal.

Averaged over March to May, ocean temperatures around Northern group of Tuvalu were 0.0 to 0.5°C near normal, while Central and the Southern group were 0.5 to 1.0°C.

May sea levels around the northern and the central group were 50mm to 150mm above normal, while in the southern part of Tuvalu were 150mm to 200mm.

Coral bleaching was on watch status across the country of Tuvalu.

Part 2i. Monthly and Seasonal Outlooks for July and July to September 2023

Ocean Variable statement

July ocean temperatures around Northern group are predicted to be 0.8 to 1.2°C above normal. In the central and southern group are predicted to be 0.4 to 0.8°C above normal.

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

July sea levels around northern and central part of Tuvalu are predicted to be -30mm to -60mm above normal. While for the Southern part predicted to be near normal.

Averaged over July to September, sea levels around northern and central part are predicted to be -30mm to -60mm above normal. In the Southern part predicted to be near normal.

Coral bleaching outlook for July on 'Watch' across the country.

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

Product	Date: May 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate		METT Staff	19	10	9	
Bulletin		Disaster Dept	2	1	1	
		TRC	1	1		
		TuCAN	1		1	
		Agriculture	2	1	1	
		All Kaupule Secretary				
EAR Watch		METT Staff	19	10	9	
		Disaster Département	2	1	1	
		TRC	1	1		
		TuCAN	1		1	
		Agriculture	2	1	1	
		All Kaupule Secretary				
Monthly		METT Staff	19	10	9	
Climate Briefing		Disaster	2	1	1	
		Department	1	1		
		TRC	1	1		
		TuCAN	1		1	
		Agriculture	2	1	1	
		All Kaupule Secretary				
Ocean Outlook		METT Staff	19	10	9	
		Disaster Département	2	1	1	
		TRC	1	1		
		TuCAN	1		1	
		Agriculture	2	1	1	
		All Kaupule Secretary				
		Agriculture	2	1	1	

red	quest	Département Total	103	55	50	
Cli	mate data	Disaster	2	1	1	