Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 175

Country: Tuvalu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

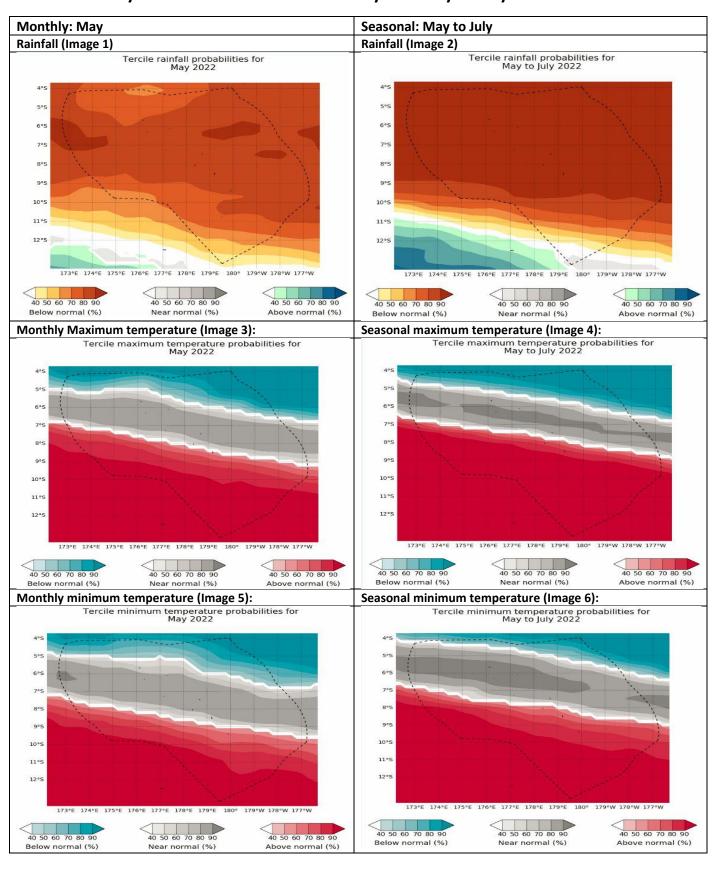
Station (include data period)	Jan-2022	Feb- 2022	Mar-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nailk
Nanumea (1941-2022)	457.3	93.9	13.5	175.8	315.9	246.8	2/82
Nui (1946-2022)	245.3	151.7	218.8	215.1	339.7	259.6	26/77
Funafuti (1933-2022)	616.4	220.8	388.3	254.1	361.2	312.5	68/90
Niulakita (1953-2022)	503.7	185.6	368.4	253.3	391.8	300.7	45/70

TABLE 2: Three-month Total Rainfall for January to March 2022

Station	Three-m	nonth Total	33%tile	67%tile	Median	Rank	
Nanumea (1941-2022)	564.7	Below normal	689.4	1112.8	939.3	20/82	
Nui (1946-2022)	615.8	Below normal	828.7	1093.5	974.2	15/77	
Funafuti (1933-2022)	1225.5	Above normal	939.7	1167.5	1068.4	67/90	
Niulakita (1953-2022)	1057.7	Normal	952.1	1171.9	1086.6	33/69	

 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$

Part 1i. Monthly and Seasonal Outlooks for May and May to July 2022



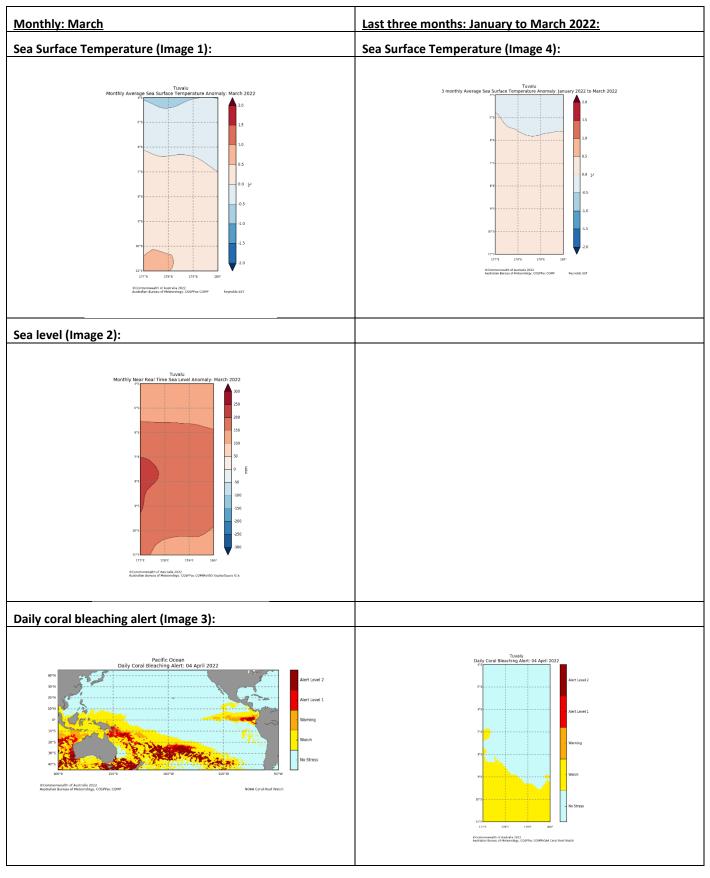
NB: The X LEPS % score has been categorised as follows:

 $Very \ Low: \ X < 0.0 \qquad \qquad Low: \ 0 \le X < 5 \qquad \qquad Moderate \ 5 \le X < 10 \qquad \qquad Good: \ 10 \le X < 15 \qquad High: \ 15 \le X < 25 \qquad \qquad Low: \ 0 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad Good: \ 1$

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Part 2: Recent Ocean summary statement

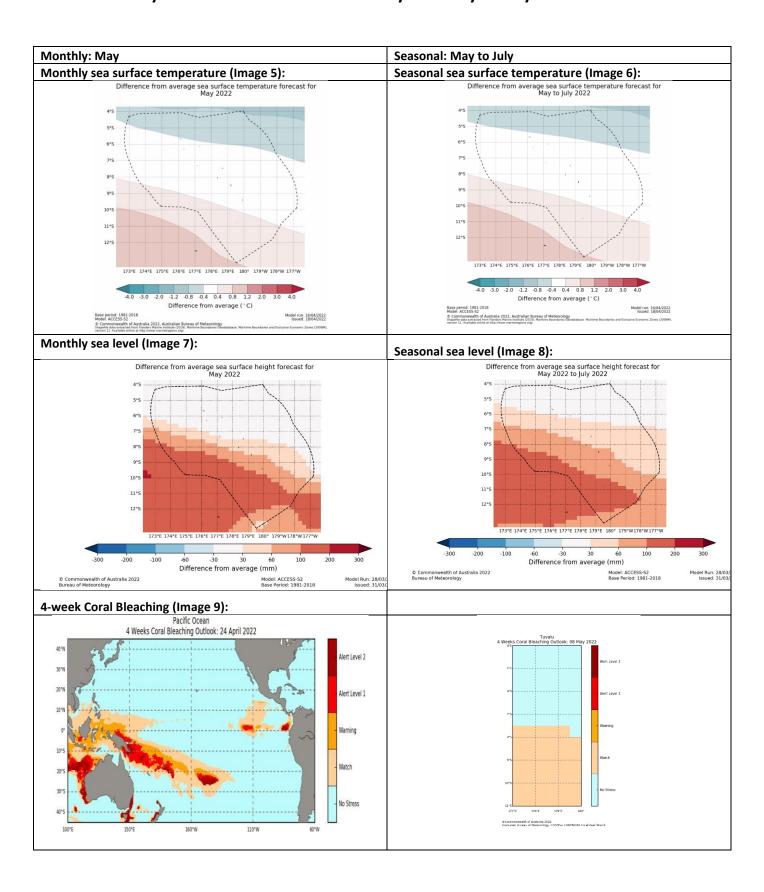
Monthly: March 2022



NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$ Good: $10 \le X < 15$ High: $15 \le X < 25$

Part 2i. Monthly and Seasonal Outlooks for May and May to July 2022



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Summary Statement

Monthly and last three months: March 2022/January to March 2022 statement (Highly significant changes)

Monthly: Above Normal rainfall was observed at Funafuti, while Niulakita and Nui observed near Normal rainfall, Below Normal Rainfall observed at Nanumea Island. Nanumea recorded its second driest March on record.

Seasonal: Below normal rainfall observed at Nanumea and Nui, near normal rainfall was observed in Niulakita while Funafuti observed above normal rainfall.

Part 1i. Monthly and Seasonal Outlooks for May and May to July 2022

Monthly /Seasonal rainfall and temperature Outlook statements (Highly significant changes)

Monthly rainfall outlook for Tuvalu for May is very likely to below normal for Nanumea, Nui and Funafuti, While Niulakita is likely to be below normal rainfall. For the coming season May to July, the outlook for Tuvalu is very likely to be below normal rainfall.

Monthly and Seasonal Temperature for Nanumea and Nui are very likely to be near normal temperature, Funafuti offers a little guidance as the chance of below normal and above normal are similar, while Niulakita is very likely to be above normal temperature.

Part 2: Recent Ocean summary statement

Monthly and last three months: March/January to March 2022 (Highly significant changes)

For March 2022 and January to March 2022, Tuvalu Islands are experiencing normal SST conditions.

The sea level conditions was above normal for Tuvalu with sea level differences of 150-250mm for March 2022.

Coral bleaching alert status is 'No Stress and Watch' for southern Tuvalu.

Part 2i. Monthly and Seasonal Outlooks for May and May to July 2022

Ocean Variable statement (Highly significant changes)

For the monthly and seasonal sea surface temperature forecast reveals normal conditions for Tuvalu.

The sea level anomaly forecast reveals normal conditions for northern Tuvalu, with central and southern group forecasted to experience 30-200mm seal level difference.

Coral bleaching outlook status is 'Watch' for southern atolls with 'No Stress' for central and northern atolls.

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

Product	Date: March 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin		MET Staff	22	17	5
		Disaster Members	9	6	3
		All Civil Servants			
		All Kaupule Members			
EAR Watch		MET Staff	22	17	5
		Disaster Members	9	6	3
		All Civil Servants			
		All Kaupule Members			
Monthly Climate Briefing		MET Staff	22	17	5
Ocean Outlook		MET Staff	22	17	5
		Disaster Members	9	6	3
		All Civil Servants			
		All Kaupule Members			
Climate data request					
		Total	115	86	29

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