Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 176

Country: Tuvalu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

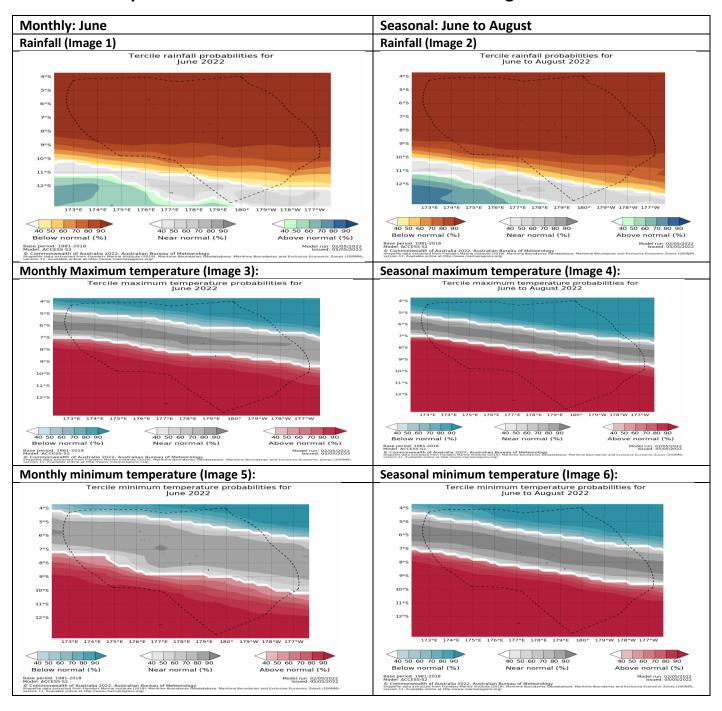
Station (include data period)	Feb- 2022	Mar- 2022	Apr-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nailk
Nanumea (1941-2022)	93.9	13.5	84.5	197.4	271.4	228.7	6/82
Nui (1946-2022)	151.7	218.8	125.7	152.9	269.1	200.1	17/77
Funafuti (1933-2022)	220.8	388.3	65.5	190.3	317.0	238.2	3/90
Niulakita (1953-2022)	185.6	368.4	166.9	167.9	260.2	218.4	23/70

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

Station	Three-month Total		33%tile	67%tile	Median	Rank
Nanumea (1941-2022)	191.9	Below normal	642.3	997.0	810.2	2/82
Nui (1946-2022)	496.2	Below normal	705.2	981.7	824.8	12/77
Funafuti (1933-2022)	674.6	Below normal	838.8	1071.2	941.4	15/70
Niulakita (1953-2022)	720.9	Below normal	859.7	1038.9	957.0	14/77

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

Part 1i. Monthly and Seasonal Outlooks for June and June to August 2022

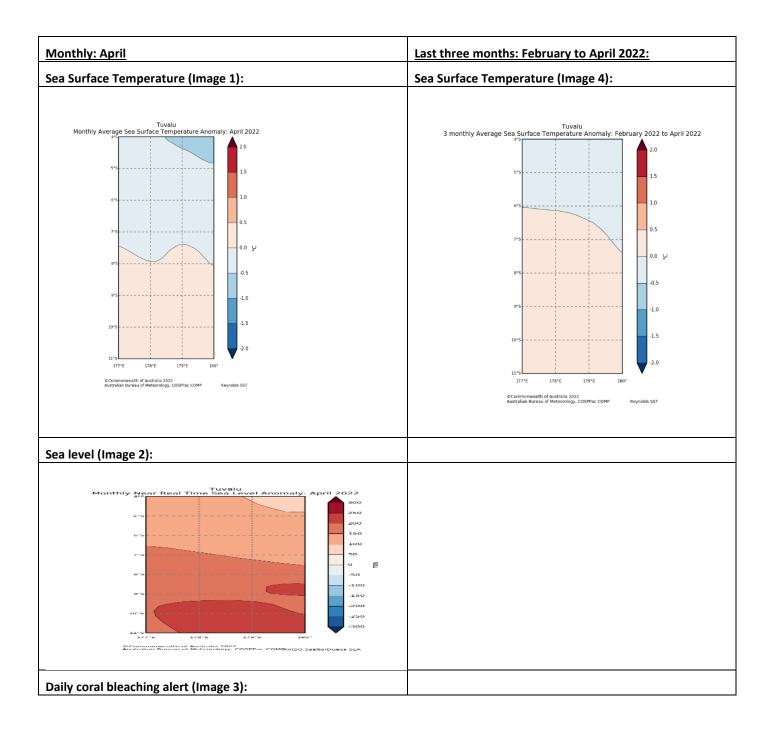


 $\mbox{Very Low: } X < 0.0 \qquad \qquad \mbox{Low: } 0 \le X < 5 \qquad \mbox{Moderate } 5 \le X < 10 \qquad \qquad \mbox{Good: } 10 \le X < 15 \qquad \mbox{High: } 15 \le X < 25$

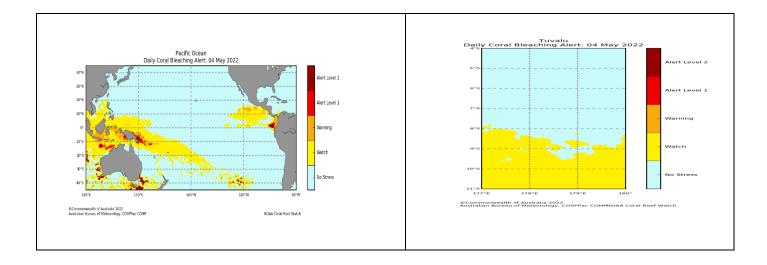
Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Part 2: Recent Ocean summary statement

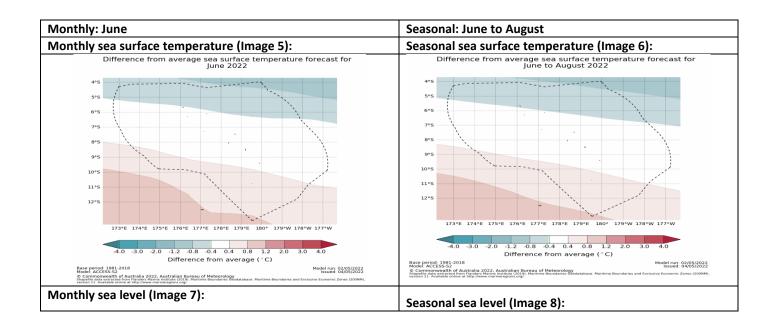
Monthly: April 2022

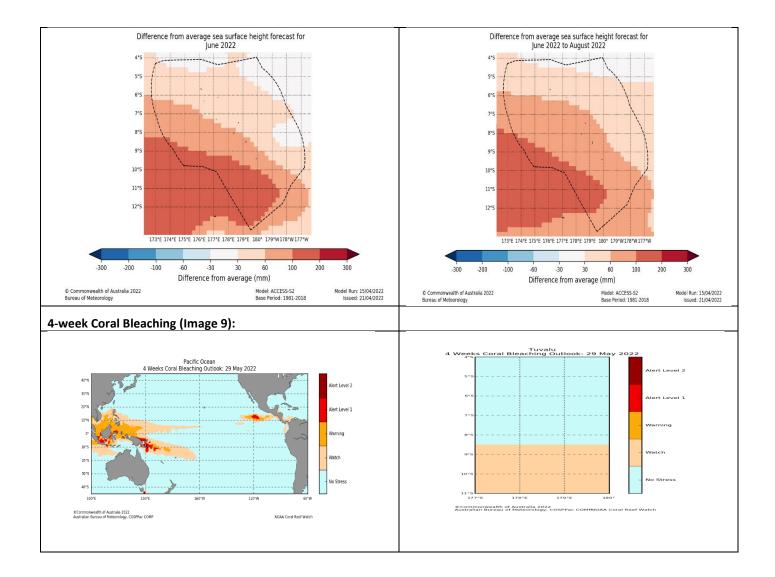


Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$ Good: $10 \le X < 15$ High: $15 \le X < 25$



Part 2i. Monthly and Seasonal Outlooks for June and June to August 2022





Summary Statement

Monthly and last three months: April 2022/February to April 2022 statement (Highly significant changes)

April: All stations (Nanumea, Nui, Funafuti and Niulakita) recorded below normal rainfall. Funafuti and Nanumea recorded their third and sixth wettest April on record.

February-April: All stations recorded below normal rainfall. Nanumea recorded its second driest February to April on record.

Part 1i. Monthly and Seasonal Outlooks for June and June to August 2022

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

The monthly and seasonal rainfall outlook for Tuvalu for June and June to August is very likely to below normal rainfall for all stations except further south where it is likely to be normal

The outlook for the monthly and seasonal temperature is likely to be below normal for Nanumea, Nui is near normal, while Niulakita and Funafuti are very likely to above normal temperature.

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

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

Part 2: Recent Ocean summary statement

Monthly and last three months: April/February to April 2022 (Highly significant changes)

For April 2022 and February to April 2022, Tuvalu Island are experiencing normal SST conditions. The sea level conditions was above normal for Tuvalu with sea level differences of 100 – 200mm for April 2022.

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

Part 2i. Monthly and Seasonal Outlooks for June and June to August 2022

Sea level for June Shows for the northern area is near normal conditions which is 30 – 60 while the central part is 60 – 100mm below normal conditions and for the southern group the sea surface height difference is 30 -200mm.

Ocean Variable statement (Highly significant changes)

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

The sea level anomaly forecast reveals near normal conditions for northern part of Tuvalu, with the central and southern group forecast to experience 30 – 200mm sea level difference.

Coral bleaching outlook status is 'No Stress' for Northern group while the southern group is 'Watch'.

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

Product	Date: April 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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