Country: Tuvalu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

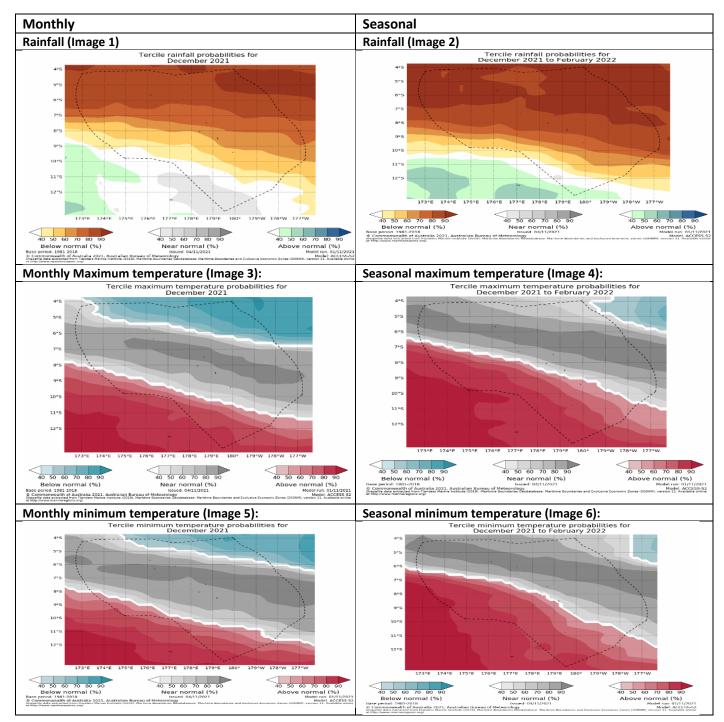
Station (include data period)	Aug- 2021	Sep- 2021	Oct-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nalik
Nanumea (1941-2021)	173.9	59.7	144.9	94.7	187.7	140.4	44/80
Nui (1946-2021)	168.7	133.0	201.6	143.4	219.3	182.4	46/76
Funafuti (1933-2021)	383.7	228.4	463.5	202.4	292.8	258.2	85/89
Niulakita (1953-2021)	423.2	178.4	155.1	207.7	310.3	260.0	14/69

TABLE 2: Three-month Total Rainfall for August to October 2021

Station	Three-n	nonth Total	33%tile	67%tile	Median	Rank	
Nanumea (1941-2021)	378.5	Normal	364.8	582.0	503.4	28/80	
Nui (1946-2021)	503.3	Normal	498.1	718.3	567.4	28/76	
Funafuti (1933-2021)	1075.6	Above normal	599.2	799.6	675.9	79/89	
Niulakita (1953-2021)	756.7	Normal	578.2	829.1	683.6	41/69	

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

Part 1i. Monthly and Seasonal Outlooks for December and December 2021 to February 2022



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

Very Low: X < 0.0 Low:

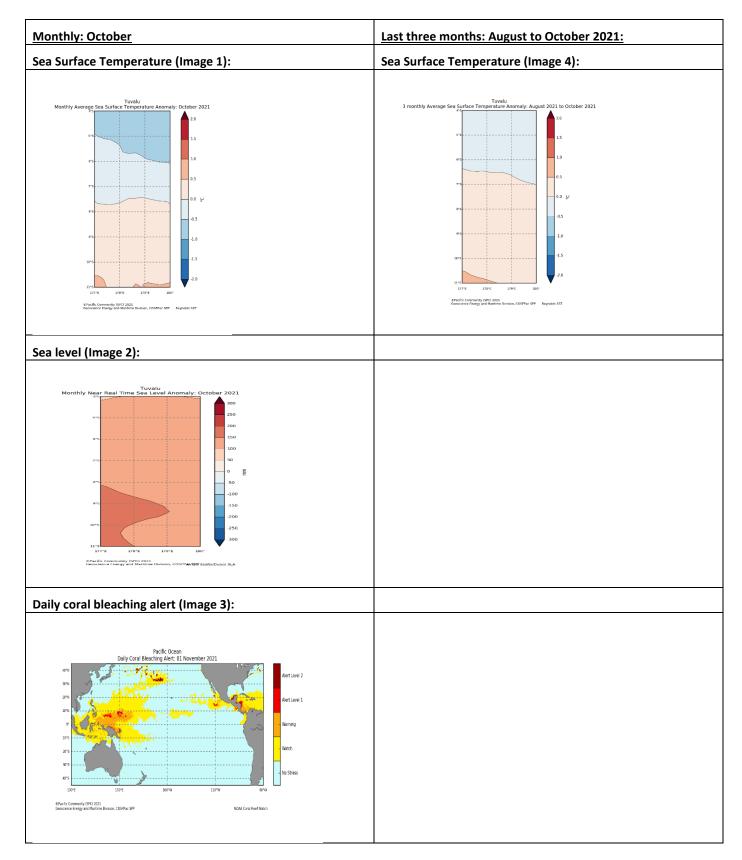
Low: $0 \le X < 5$ Moderate $5 \le X < 10$

Good: 10 ≤ X < 15 High: 15 ≤ X < 25

Very High: $25 \le X < 35$ Exceptional: $X \ge 35$

Part 2: Recent Ocean summary statement

Monthly: October 2021



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

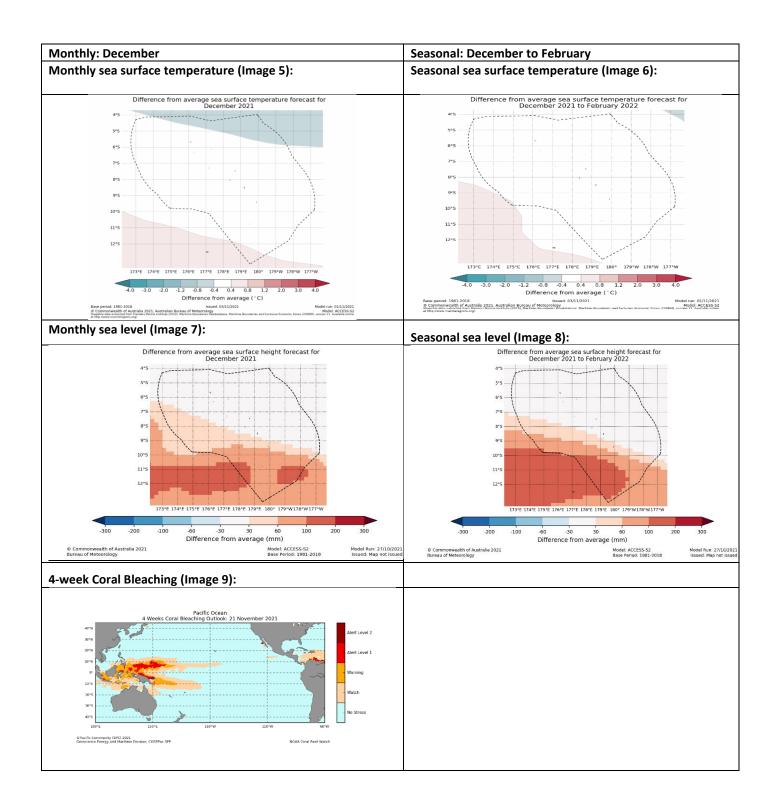
Very Low: X < 0.0

< 0.0 Low: 0 ≤ X < 5

Moderate 5 ≤ X < 10

Very High: $25 \le X < 35$ Exceptional: $X \ge 35$

Part 2i. Monthly and Seasonal Outlooks for December and December 2021 to February 2022



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

5

Low: $0 \le X < 5$

X < 5 Moderate $5 \le X < 10$

Very High: $25 \le X < 35$ Exceptional: $X \ge 35$

Very Low: X < 0.0

Summary Statement

Monthly and last three months: October 2021/August to October statement (Highly significant changes)

October 2021

Above Normal rainfall recorded at Funafuti, Normal rainfall recorded at Nanumea and Nui, while Below normal rainfall was recorded at Niulakita. Funafuti recorded its fifth wettest October on record.

August to October 2021:

During the last three months from August to October, normal rainfall recorded at Nanumea, Nui and Niulakita while above normal rainfall recorded at Funafuti.

Part 1i. Monthly and Seasonal Outlooks for December and December 2021 to February 2022

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

The Monthly outlook is very likely to be below normal rainfall for the Northern and Central part of Tuvalu, while the outlook for the Southern part of Tuvalu is likely to be below normal. For the seasonal outlook rainfall is very likely to be below normal for the whole group of Tuvalu from Nanumea to Niulakita.

Monthly and Seasonal outlook is very likely to be near normal maximum temperature for Northern and Central while very likely to be above normal maximum rainfall for the southern group of Tuvalu.

The monthly and seasonal outlook is very likely to be near normal minimum temperature for the Northern and central group, while the Southern group of Tuvalu is very likely to be above normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: October/August to October 2021 (Highly significant changes)

In the month of October, Northern group of Tuvalu experienced cooler than normal SST, central group experienced normal SST while Southern group experienced warmer than normal SST. Significant warm SST were experienced in the west side of the southern group of Tuvalu from August to October. Highest SSTs were 0.5 to 1.0 degrees above average and located at the west side of the Southern group of Tuvalu. No thermal stress for coral bleaching at the Northern part of Tuvalu, while watch coral bleaching experienced at the central and southern part of Tuvalu.

Part 2i. Monthly and Seasonal Outlooks for December and December 2021 to February 2022

Ocean Variable statement (Highly significant changes)

The outlook for the Tuvalu sea level anomaly shows a significant difference of 30 to 200 mm in the south for December and out to February. Coral bleaching watch for southern areas of Tuvalu. Northern and Central part is under no stress.

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

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

Product	Date: October 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin		Met staffs	6	5	1
		Disaster Members	9	6	3
		All civil servants and kaupule members			
EAR Watch		Met staffs	6	5	1
		Disaster Members	9	6	3
		All civil servants and kaupule members			
Monthly Climate		Met staffs	6	5	1
Briefing		Disaster Members	9	6	3
		All civil servants and kaupule members			
Ocean Outlook		Met staffs	6	5	1
		Disaster Members	9	6	3
		All civil servants and kaupule members			
Climate data		Met staffs	6	5	1
request		Disaster Members	9	6	3
		All civil servants and kaupule members			
		Total	60	40	20

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

Very Low: X < 0.0