

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 169

Country: Tuvalu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2021	Aug-2021	Sep-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Nanumea (1941-2021)	192.3	173.9	59.7	96.9	175.1	139.4	16/80
Nui (1946-2021)	147.7	168.7	133.0	128.2	204.1	178.9	29/76
Funafuti (1933-2021)	293.4	383.7	228.4	164.1	248.2	203.1	52/89
Niulakita (1953-2021)	158.1	423.2	178.4	177.4	231.8	193.8	25/69

TABLE 2: Three-month Total Rainfall for July to September 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2021)	425.9	Normal	405.0	623.0	513.3	31/80
Nui (1946-2021)	449.4	Below normal	528.3	691.9	611.0	22/76
Funafuti (1933-2021)	905.5	Above normal	594.8	813.1	710.6	70/89
Niulakita (1953-2021)	759.7	Above normal	520.5	719.5	619.8	52/69

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

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

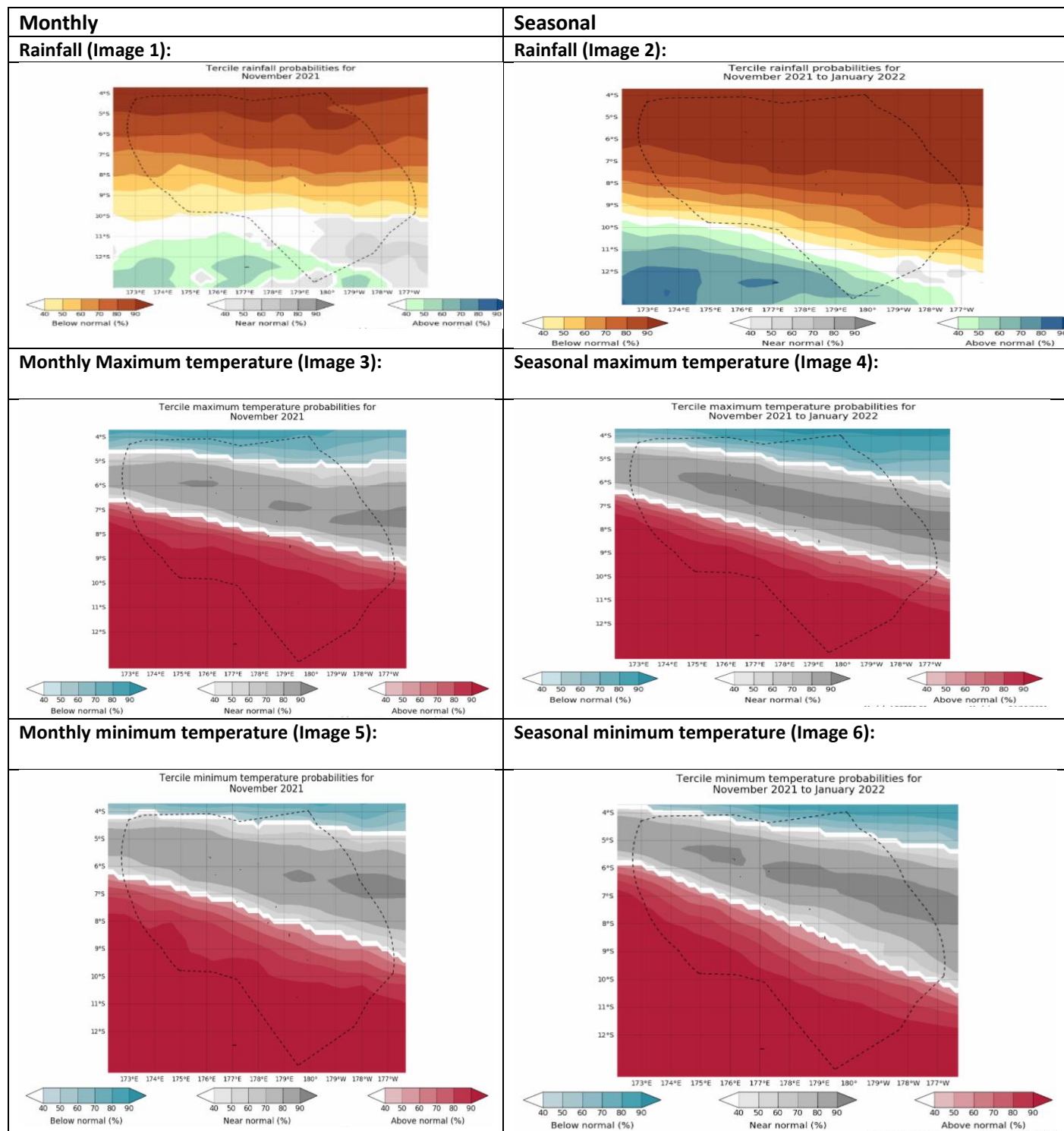
Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

Part 1i. Monthly and Seasonal Outlooks for November and November 2021 to January 2022



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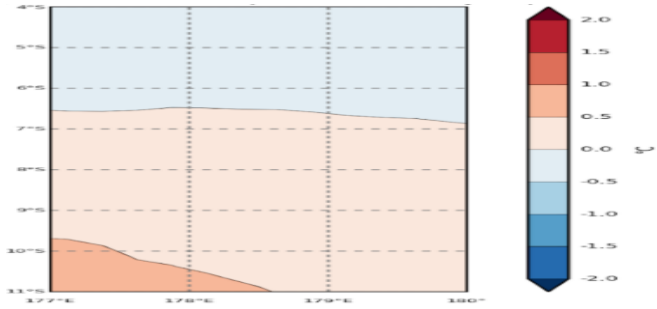
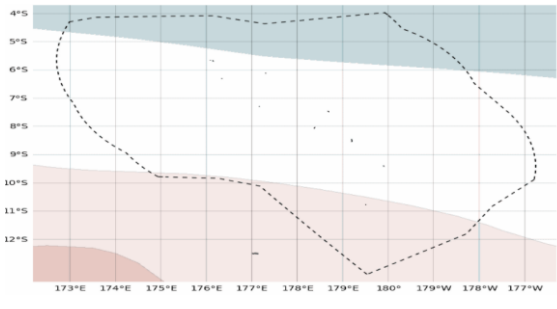
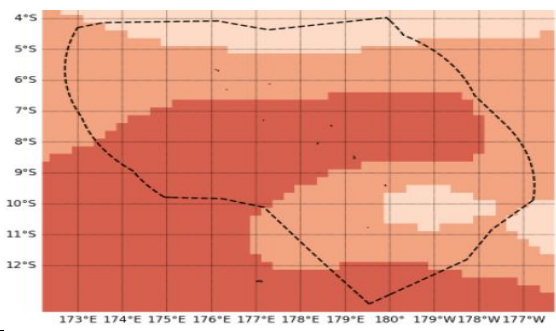
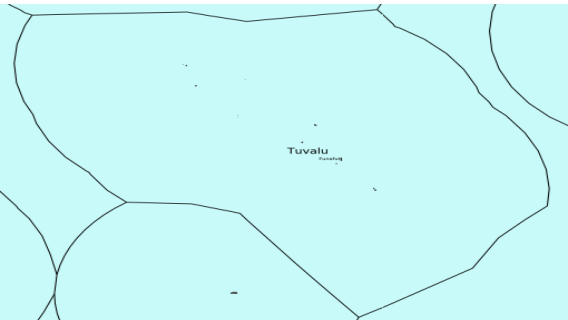
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Part 2: Recent Ocean summary statement

Monthly: September 2021

Monthly: September	Last three months: July to September 2021:
<p>Sea Surface Temperature (Image 1):</p> 	<p>Sea Surface Temperature (Image 4):</p> 
<p>Sea level (Image 2):</p> 	
<p>Daily coral bleaching alert (Image 3):</p> 	

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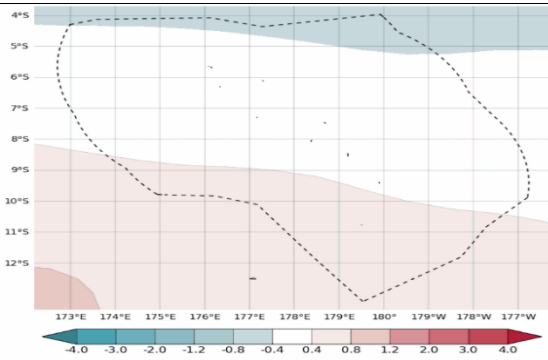
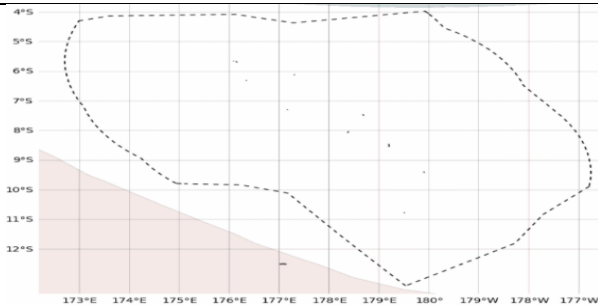
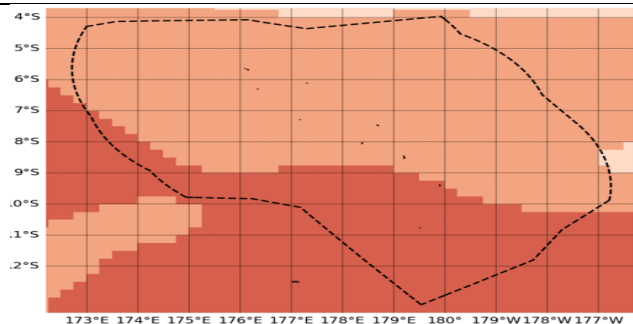
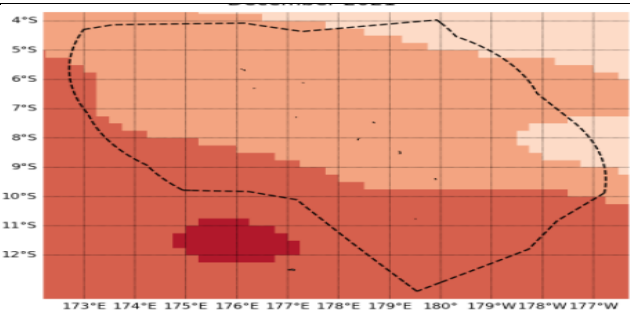
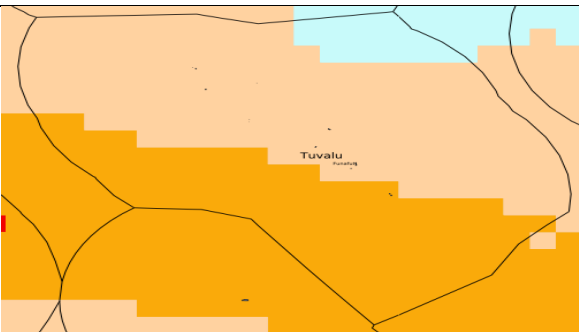
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Part 2i. Monthly and Seasonal Outlooks for November and November 2021 to January 2022

Monthly: November	Seasonal: November to January
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
	
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
	
4-week Coral Bleaching (Image 9):	
	

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Summary Statement

Monthly and last three months: September 2021/July to September statement (Highly significant changes)

September 2021:

Above Normal rainfall recorded at Nui, Funafuti and Niulakita and Below Normal rainfall recorded at Nui.

July to September 2021:

For the last three months July to September, Above Normal rainfall recorded at Niulakita and Funafuti, Normal rainfall at Nanumea and Below Normal rainfall at Nui.

Part 1i. Monthly and Seasonal Outlooks for November and November 2021 to January 2022

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

The outlook for the month and season is very likely to be below normal rainfall for the Northern and Central of Tuvalu while the outlook is likely to be below normal rainfall for the Southern group of Tuvalu.

The outlook for the month and season is very likely to be normal maximum and minimum temperatures for Northern and Central group, while very likely to be above normal maximum and minimum temperatures for the southern group of Tuvalu.

Part 2: Recent Ocean summary statement

Monthly and last three months: September/July to September 2021 (Highly significant changes)

A normal SST for all Tuvalu waters except for the southern borders of EEZ which is warmer than normal, and a cooler than normal around the northern extent which is similar to the 3 monthly, July to September conditions. Sea level was higher than normal conditions for all Tuvalu waters and there was no thermal stress for coral bleaching.

Part 2i. Monthly and Seasonal Outlooks for November and November 2021 to January 2022

Ocean Variable statement (Highly significant changes)

The outlook for the Tuvalu SST is likely to be normal. Sea level is predicted to be higher than normal conditions for the group. Coral bleaching outlook is on watch level for southern Tuvalu with no stress for the northern areas.

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

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

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