

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 168

Country: Tuvalu

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2021 Total (mm)	Jul-2021 Total (mm)	Aug-2021				Rank
			Total (mm)	33%tile	67%tile	Median	
			Rainfall (mm)				
Nanumea (1941-2021)	69.2	192.3	173.9	160.1	223.2	189.0	31/80
Nui (1946-2021)	147.0	147.7	168.7	139.8	265.3	192.6	34/76
Funafuti (1933-2021)	161.6	293.4	383.7	186.3	290.5	217.8	74/89
Niulakita (1953-2021)	350.9	158.1	423.2	146.9	258.4	208.2	63/69

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

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Nanumea (1941-2021)	435.4	Below normal	448.0	696.7	575.3	26/80
Nui (1946-2021)	449.6	Below normal	507.4	728.3	646.5	19/76
Funafuti (1933-2021)	838.7	Above normal	586.1	814.8	719.4	60/89
Niulakita (1953-2021)	932.2	Above normal	541.8	738.5	614.2	56/69

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

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

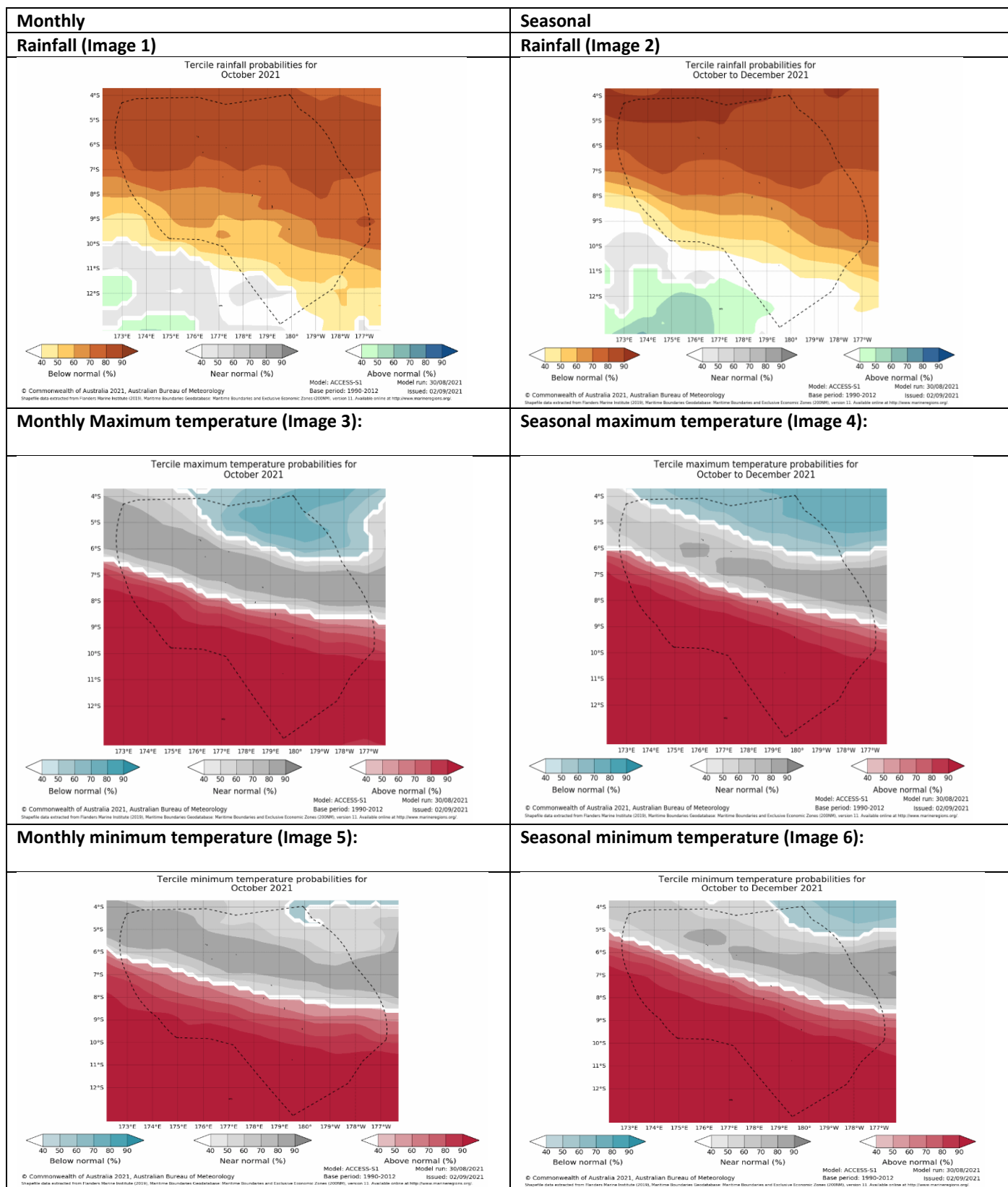
Moderate $5 \leq X < 10$

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 October and October to December 2021

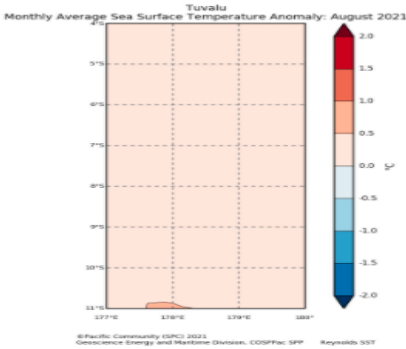
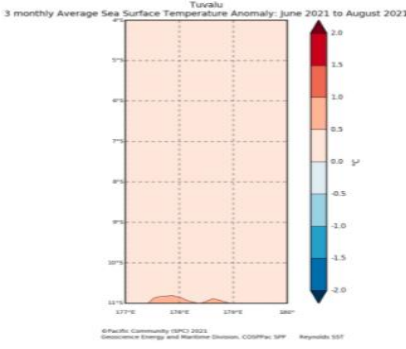
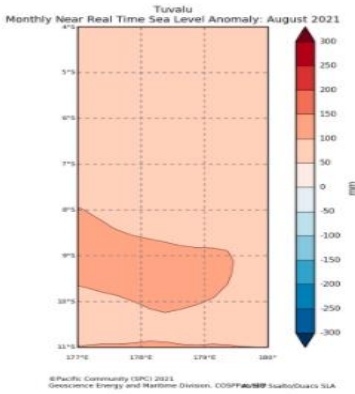
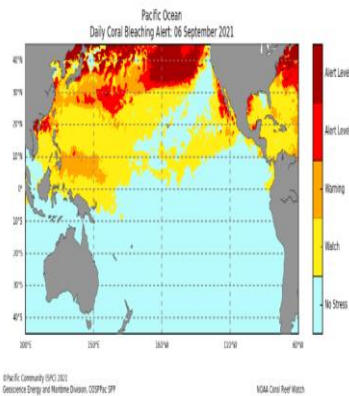


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Part 2: Recent Ocean summary statement

Monthly: August 2021

Monthly: August	Last three months: June to August 2021:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
	
Sea level (Image 2):	
	
Daily coral bleaching alert (Image 3):	
	

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

Monthly: October	Seasonal: October to December
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
<p>Difference from average sea surface temperature forecast for October 2021</p> <p>Model: ACCESS-S1 Base period: 1990-2012 Model run: 04/09/2021 Issued: 06/09/2021</p>	<p>Difference from average sea surface temperature forecast for October to December 2021</p> <p>Model: ACCESS-S1 Base period: 1990-2012 Model run: 04/09/2021 Issued: 06/09/2021</p>
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
<p>Difference from average sea surface height forecast for October 2021</p> <p>Model: ACCESS-S1 Base Period: 1990-2012 Model Run: 27/08/2021 Issued: Map not issued</p>	<p>Difference from average sea surface height forecast for October 2021 to December 2021</p> <p>Model: ACCESS-S1 Base Period: 1990-2012 Model Run: 27/08/2021 Issued: Map not issued</p>
4-week Coral Bleaching (Image 9):	
<p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 03 October 2021</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>© Pacific Community (SPC) 2021 Geoscience Energy and Marine Division, GEMPD/SPC NOAA Coral Reef Watch</p>	

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Summary Statement

Monthly and last three months: August 2021/June to August statement

August 2021.

Above normal rainfall was recorded at Funafuti and Niulakita, while normal rainfall was recorded at Nanumea and Nui. Niulakita recorded its seventh wettest August on record.

June to August 2021.

For the last three months June to August, below normal rainfall was observed at Naumea and Nui, while Funafuti and Niulakita recorded above normal rainfall.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The monthly and seasonal outlook is very likely to be below normal rainfall for the northern and central Tuvalu while the outlook is likely to be below normal rainfall for the southern group of Tuvalu.

The monthly and seasonal maximum temperature outlook is likely to be near normal for northern group, while very likely to be above normal for Central and southern group of Tuvalu.

The monthly and seasonal minimum temperature outlook for the season is very likely to be above normal minimum temperature for central and southern group, while northern group of Tuvalu is very likely to be normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: August/June to August 2021

Most of Tuvalu experienced slightly above average SST in the month of August 2021.

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

Ocean Variable statement

The outlook for the Tuvalu shows SSTs are likely to be close to average for the October to December period.

Sea surface height from October to December is likely to be above normal for most of Tuvalu with southern islands to experience an increase of up to 200mm above normal.

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

Product	Date: August 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing					
Ocean Outlook					
Total					

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