Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 170

Country: Niue

Part 1: Recent climate

TABLE 1: Monthly Rainfall

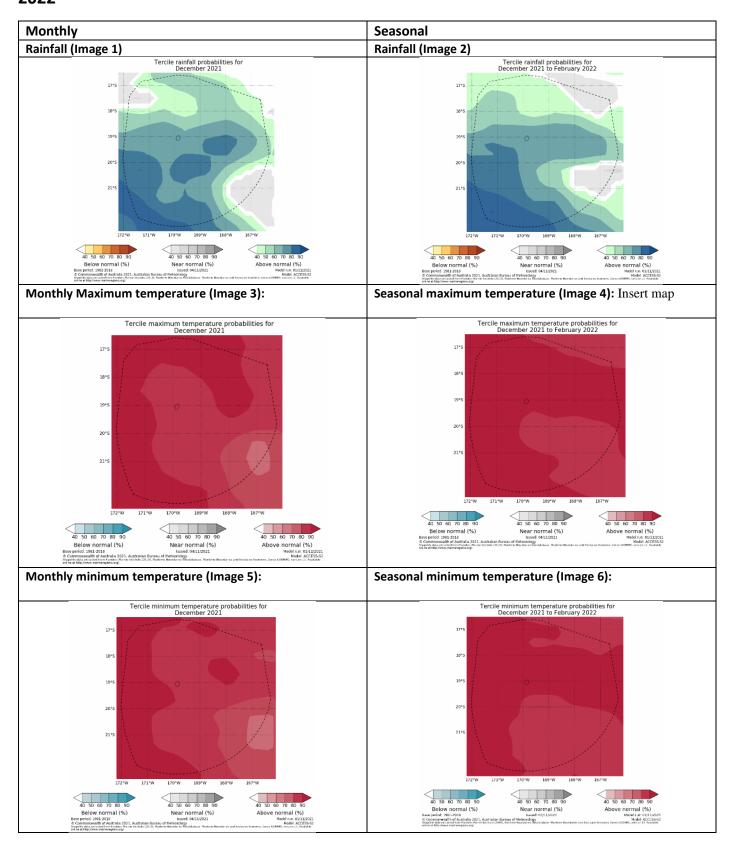
Station (include data period)	Aug- 2021	Sep- 2021	Oct-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Natik
Hanan Airport (1905-2021)	132.2	204.0	61.2	71.5	168.9	113.8	27/117
		•		•			

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

Three-month Total		33%tile	67%tile	Median	Rank	
	Rai	nfall (mm)		Median 337.5		
97.4	Normal	254.3	448.5	337.5	75/112	
		Rai	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	

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

Part 1i. Monthly and Seasonal Outlooks for December and December 2021 to February 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: $15 \le X < 25$

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

Part 2: Recent Ocean summary statement

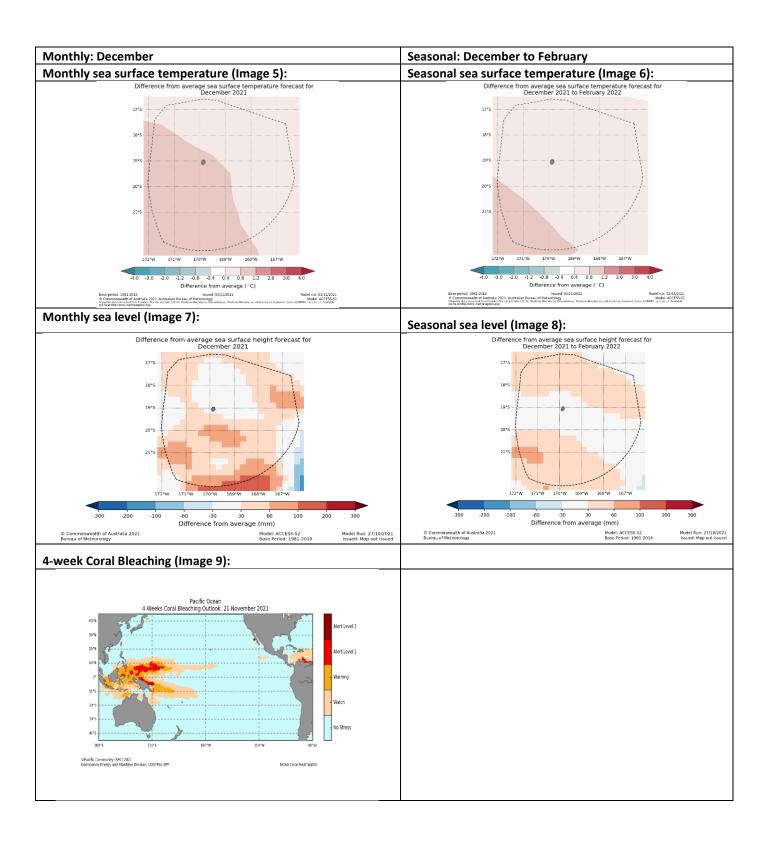
Monthly: October 2021

Monthly: October	Last three months: August to October 2021:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
Morethly Average Sea Surface Temperature Anomaly: October 2021 13 75 13 75 13 75 14 75 15 15 15 15 15 15 15 15 15 15 15 15 15 1	3 monthly Average See Surface Temperature Anomaly: August 2021 to October 2021 10.93 10.94 10.94 10.95
Sea level (Image 2):	Daily coral bleaching alert (Image 3):
Monthly Near Real Time Sea Level Anomaly: October 2021 300 300 300 300 300 300 300	Pacific Ocean Daily Coral Bleaching Alert: 01 November 2021 Alert Level 2 Alert Level 1 Warning Watch No Stress 6-Pacific Americanty (SFC) 2021, Geoscience Energy and Martime Dintson, COSPPa; SPP NOMA Coral Reel Watch

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 December and December 2021 to February 2022



Very Low: X < 0.0

Low: $0 \le X < 5$

Moderate $5 \le X < 10$

Good: $10 \le X < 15$ High: $15 \le X < 25$

Summary Statement

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

Hanan Airport's monthly and last three months: October 2021 rainfall was below normal while August to October rainfall was normal.

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 rainfall outlook for Niue for December and December 2021 to February 2022 is likely to be above normal. Maximum and Minimum monthly and seasonal temperatures 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)

The Sea surface temperature for the month of October shows warmer conditions experienced in Niue with maximum temperature anomaly of 2.0 degrees Celsius. Sea level for the month of October was higher than normal, with a maximum sea level anomaly of 200mm.

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

Ocean Variable statement (Highly significant changes)

The outlook for Niue shows a significant temperature difference of up to 1.2 degrees Celsius warmer than average for December and over the months December to February.

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

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

Product	Date: October 2021	Stakeholder	Total Number of Participants	Number of males	Number of females
Climate Bulletin	22 Oct 2021 Niue Climate Outlook	- Government Officials - Government all staff - Private Sector	20 15	5 9	15 6
EAR Watch		- General Public	20	15	5
Monthly Climate Briefing	09 Oct 2021 Radio Program	- Stakeholders - Government all staff	15 40	5 20	10 20
Ocean Outlook Climate data		- Village council	12	6	6
request data		Total	122	60	62

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