# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 172

**Country: Niue** 

Part 1: Recent climate

**TABLE 1: Monthly Rainfall** 

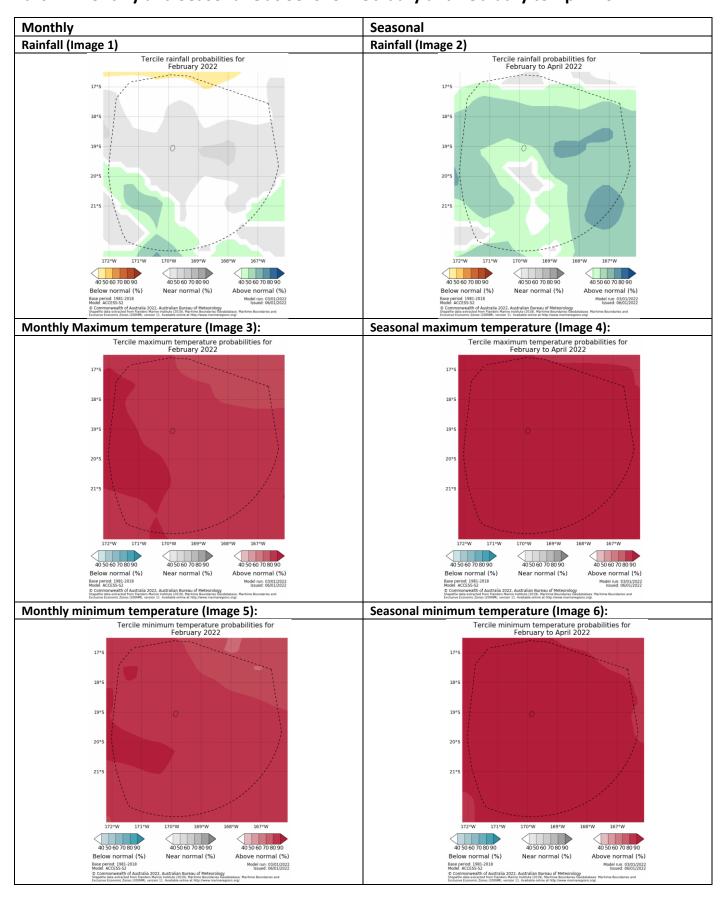
Station (include data period)	Oct-2021	Nov- 2021	Dec-2021				
			Total (mm)	33%tile	67%tile	Median	- Rank
	Total (mm)	Total (mm)		Rainfa	nfall (mm)		Nalik
Hanan Airport (1905-2021)	61.2	111.5	476.3	130.3	220.4	149.3	109/117

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

Station	Three-m	nonth Total	33%tile	67%tile	Median	Rank	
		Rai	nfall (mm)				
Hanan Airport (1905- 2021)	649.0	Above normal	380.3	571.2	452.5	89/116	

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

# Part 1i. Monthly and Seasonal Outlooks for February and February to April 2022



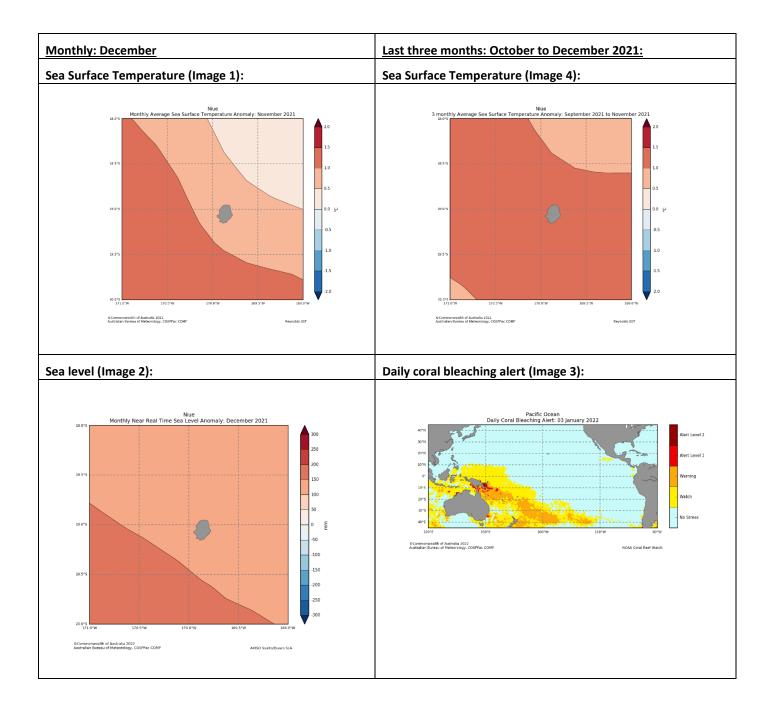
#### NB: The X LEPS % score has been categorised as follows:

 $Very \ Low: \ X < 0.0 \qquad \qquad Low: \ 0 \le X < 5 \qquad \qquad Moderate \ 5 \le X < 10 \qquad \qquad Good: \ 10 \le X < 15 \qquad High: \ 15 \le X < 25 \qquad \qquad Low: \ 0 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad Good: \ 1$ 

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

# Part 2: Recent Ocean summary statement

## **Monthly: December 2021**



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 February and February to April 2022

Monthly: February	Seasonal: February to April
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
Difference from average sea surface temperature forecast for February 2022  17*5  18*5  20*5  20*5  21*5  20*5  20*5  20*5  21*5  20*5  Response 1981-2018  Response 1	Difference from average sea surface temperature forecast for February to April 2022  17°5  18°5  20°5  21°5
, , , , , , , , , , , , , , , , , , , ,	Seasonal sea level (Image 8):
4-week Coral Bleaching (Image 9):	
Pacific Ocean  4 Weeks Coral Bleaching Outlook: 09 January 2022  Alert Level 2  Alert Level 1  Warning  Watch  No Stress  Commonwealth of Australia 2021  Australian Bureau of Meteorology, COSPPac COMP  NOAA Coral Reef Watch	

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### **Summary Statement**

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

Hanan Airports monthly and last three months: December 2021 rainfall was above normal. October to December rainfall was above normal. Hanan airport recorded its ninth wettest December on record.

# Part 1i. Monthly and Seasonal Outlooks for February and February to April 2022

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

The rainfall outlook for Niue for February is likely to be normal. Meanwhile the outlook for February to April 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: December/October to December 2021 (Highly significant changes)

The Sea surface temperature for the month of December shows warmer conditions experienced in Niue with maximum temperature of 1.5 degrees Celsius. Sea level was higher than normal for Niue with a maximum of 200mm in the south west.

## Part 2i. Monthly and Seasonal Outlooks for February and February to April 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 February and over the months February to April.

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

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

Product	Date: December 2021	Stakeholder	Total Number of Participants	Number of males	Number of females
Climate Bulletin	17 Nov 2021 NCO	General public Government officials Village council Private sector Stakeholders	50 15 20 20 30	20 10 10 5 15	30 5 10 15 15
EAR Watch  Monthly Climate Briefing	16 Dec 2021 Radio Programs  08 Dec 2021 23 Dec 2021 Cyclone briefing	General public Government officials Government all staff  New Zealand High Commision Staff  Niue Met Staff	40 10 15 6 9	20 4 5 3	20 6 10 3
Ocean Outlook Climate data request					
		Total	215	96	119

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