

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 146

Country: Niue

**TABLE 1: Monthly Rainfall**

Station (include data period)	Aug-2019	Sep-2019	Oct-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Hanan Airport (1905-2019)	237.1	216.3	124.6	67.3	167.8	109.2	63/115

**TABLE 2: Three-month Rainfall for August to October 2019**

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 May - June 2019				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Hanan Airport (1905-2019)	578.0	Above normal	256.6	393.3	322.4	98/115	54	21	25	5	Inconsistent

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for December 2019 to February 2020**

Predictor and Period used: NINO3.4 for September to October 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Hanan Airport (1905-2019)	60	689.3	40		15	67

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Hanan Airport (1905-2019)	42	612.7	32	834.6	26	16	49

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2019 to February 2020**

Station	<b>Below Normal (prob)</b>	<b>33%ile Rainfall (mm)</b>	<b>Normal (prob)</b>	<b>67%ile Rainfall (mm)</b>	<b>Above Normal (prob)</b>
Hanan Airport	30	611.0	30	713.0	40

## **Summary Statements**

### **Rainfall for October 2019:**

Hanan airport's monthly rainfall was normal.

### **Accumulated rainfall for August to October 2019, including outlook verification:**

The accumulated rainfall for August to October was above normal, with inconsistent verification of the forecast issued in July.

### **Outlooks for December 2019 to February 2020:**

#### **1. SCOPIC:**

The outlook for December to February shows below normal as the most likely outcome, with normal the next most likely. Above normal is the least likely.

#### **2. POAMA:**

POAMA shows above normal rainfall is the most likely outcome for the coming three months, with below normal and normal as the next most equally likely.

**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:  $X \geq 35$

**Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders**

Product	Date: October 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	24/10/2019 17/10/2019	General Public	97	45	52
		Government Officials	15	6	9
		Education	25	14	11
EAR Watch					
Monthly Climate Briefing	26/08/2019	Private Sector Government Officials Government staff	119	56	63
Ocean Bulletin					
<b>Total</b>			256	121	135