

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 129

**Country Name:** Niue

**TABLE 1: Monthly Rainfall**

Station (include data period)	May 2018						
	March 2018 Total	April 2018 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport (1906 - 2018)	276.4	269.7	133.6	84.7	153.3	119.8	66/112

**TABLE 2: Three-monthly Rainfall  
March to May 2018**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #125]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent Inconsistent)?
Hanan Airport	679.7	545.7	752.7	605.5	70/112	22/41/37 (4.6)	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for March to May 2018 Outlooks (refer to OCOF #125):

NINO 3.4 SST Anomalies for December 2017 to January 2018

\* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

**TABLE 3: Seasonal Climate Outlooks using SCOPIC for  
July to September 2018**

**Predictors and Period used:** NINO 3.4 SST Anomalies for April to May 2018.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	49	307.4	51		-0.7	50.0

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	33	239.4	32	366.9	35	-0.1	45.6

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
July to September 2018**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	27	288	9	368	64		

## **Summary Statements**

### **Rainfall for May 2018:**

Rainfall observed for May 2018 at Hanan Airport was normal.

### **Accumulated rainfall for March to May 2018, including outlook verification:**

Accumulated rainfall for March to May 2018 was normal. The Outlook showed normal rainfall; verification was consistent.

### **Outlooks for July to September 2018:**

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

The rainfall outlook for Hanan Airport for the upcoming season offers little guidance as the chances of above-normal, normal and below-normal are similar.

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

Rainfall outlook for July to September 2018 favours above-normal, with below-normal the next most 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:  $X \geq 35$