# Pacific Islands - Online Climate Outlook Forum (OCOF) No. 122

## Country Name: Niue

### TABLE 1: Monthly Rainfall

| Station (include data period) | August 2017 Total | September 2017 Total | October 2017 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | | | Total | 33%tile Rainfall (mm) | 67%tile Rainfall (mm) | Median Rainfall (mm) | Ranking |
| | | | | | | | |
| Hanan Airport | 145.7 | 207.8 | 106.0 | 66.0 | 170.0 | 106.9 | 34/68 |
| | | | | | | | |

### TABLE 2: Three-monthly Rainfall
### August to October 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #118]

| 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 | 459.5 | 230.0 | 426.0 | 335.0 | 50/68 | **41**/31/28 (0.5) | Inconsistent |
| | | | | | | | |
| | | | | | | | |

Period:*below normal/normal/above normal

Predictors and Period used for August to October 2017 Outlooks (refer to OCOF #118):

**Nino 3.4 for May – June 2017**

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*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 December 2017 to February 2018

**Predictors and Period used**: Nino 3.4 for September – October 2017.

| Station | Below Median (prob) | Median Rainfall (mm) | Above Median (prob) | | LEPS | Hit-rate |
|---|---|---|---|---|---|---|
| **Hanan Airport** | 42 | 681 | **58** | | 24.6 | 70.1 |

| Station | Below Normal (prob) | 33%ile rainfall (mm) | Normal (prob) | 67%ile rainfall (mm) | Above Normal (prob) | LEPS | Hit-rate |
|---|---|---|---|---|---|---|---|
| Hanan Airport | 19 | 591.0 | 41 | 823.6 | **40** | 20.5 | 55.2 |

## TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2017 to February 2018

| Station | Lower Tercile (prob) | 33%ile rainfall (mm) | Middle Tercile (prob) | 67%ile rainfall (mm) | Upper Tercile (prob) | | |
|---|---|---|---|---|---|---|---|
| Hanan Airport | 9 | 611 | 18 | 713 | **73** | | |

# Summary Statements

**Rainfall for October 2017:**
October rainfall was normal for Hanan airport.

**Accumulated rainfall for August to October 2017, including outlook verification:**
Accumulated rainfall for August to October was above normal.
The outlook issued in July showed below normal as the most likely outcome, so the verification of the outlook is inconsistent.

**Outlooks for December 2017 to February 2018:**
1. **SCOPIC:**
   Seasonal rainfall outlook shows near equal likelihood of above normal and normal rainfall. Below normal is the least likely.

2. **POAMA:**

   POAMA outlook for December 2017 to February 2018 favours above normal with normal the next most likely.

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

Very Low: X < 0.0          Low:  0 ≤ X < 5          Moderate 5 ≤ X < 10          Good: 10 ≤  X < 15      High: 15≤ X < 25

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