

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 121

Country Name: Niue

TABLE 1: Monthly Rainfall

Station (include data period)	September 2017						
	July 2017 Total	August 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	146.8	145.7	207.8	53.0	129.0	90	95/109

TABLE 2: Three-monthly Rainfall July to September 2017

[Please note that the data used in this verification should be sourced from table 3 of OCOF #117]

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	500.3	240.0	351.0	313.0	96/108	34/43/23 (-1.7)	Near-Consistent

Period: *below normal/normal/above normal

Predictors and Period used for July to September 2017 Outlooks (refer to OCOF #117):

Nino 3.4 for April to May 2017

* 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
November 2017 to January 2018**

Predictors and Period used: Nino 3.4 August to September

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	48	598.0	52		8.1	61.2

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	29	500.0	36	683.0	35	10.7	53.7

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
November 2017 to January 2018**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	67%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	15	501	15	676	70		

Summary Statements

Rainfall for September 2017:

September rainfall was above normal.

Accumulated rainfall for July to September 2017, including outlook verification:

Accumulated rainfall for July to September was above normal.

Verification is near-consistent.

Outlooks for November 2017 to January 2018:

1. SCOPIC:

Seasonal rainfall outlook offers little guidance as the chances of above-normal, normal and below-normal are similar. Forecast skill is good.

2. POAMA:

POAMA outlook for November to January favours above-normal rainfall, with both normal and below-normal 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: $X \geq 35$