Pacific Islands - Online Climate Outlook Forum (OCOF) No. 113

Country Name: Niue Island

TABLE 1: Monthly Rainfall

Station (include data period)	November 2016 Total	December 2016 Total	Total	January 2017			
				33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	121.0	180.9	395.3	178.0	327.0	237.0	55/68

TABLE 2: Three-monthly Rainfall
November 2016 to January 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #109]

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	697.2	494.7	678.3	591	47/67	24/35/41 (10.3)	**Consistent**

Period:*below normal/normal/above normal

Predictors and Period used for October to December 2016 Outlooks (refer to OCOF #109):

Nino 3.4 – August to September 2016.

---

*Forecast is <u>consistent</u> when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).
Forecast is <u>near-consistent</u> 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 <u>inconsistent</u> 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 March to May 2017

Predictors and Period used: Nino 3.4 – November 2016 January 2017.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	47.0	606.0	**53.0**		0.2	54.5

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	25.0	549.0	**38.0**	769.0	37.0	4.7	36.4

TABLE 4: Seasonal Climate Outlooks using POAMA2 for March to May 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	**49.0**	544	27.0	701	24.0		

Summary Statements

Rainfall for January 2017:

Rainfall for January was Above Normal.

Accumulated rainfall for November 2016 to January 2017, including outlook verification:

Rainfall for November 2016 to January 2017 was normal.

The outlook favoured above normal with normal the next most likely.

Verification for the outlook was consistent with observed rainfall.

Outlooks for March to May 2017:
1. SCOPIC:
The outlook offers little guidance for March to May as the chances of normal to above normal and below normal are similar. Confidence in the outlook is low.

POAMA:
The POAMA outlook for March to May favours below normal rainfall.

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