

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 88

Country Name: *Niue Island*

TABLE 1: Monthly Rainfall

Station (include data period)	December 2014						
	October 2014 Total	November 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport (1950 – 2014)	154.8	170.8	46.8	124.3	219.0	149.1	6/65

TABLE 2: Three-monthly Rainfall October to December 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #84]

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	372.4	373.0	539.0	450.1	22/65	31/35/34 (13.4)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for October to December 2014 Outlooks (refer to OCOF #84):

Periods: July – August 2014

Predictors: NINO 3.4

* 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 February to April 2015

Predictors and Period used: November to December 2014, NINO 3.4

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	61.6	744.0	38.4		5.6	57.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	47	642.3	30	852.0	23	7.4	39.1

TABLE 4: Seasonal Climate Outlooks using POAMA2 for February to April 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	42	608	37	851	21		

Summary Statements

Rainfall for December 2014:

- December rainfall was **below normal**.

Accumulated rainfall for October to December 2014, including outlook verification:

- Rainfall for October to December 2014 was **below normal**.
- The outlook offered little guidance for October to December 2014 as chances of **above normal, normal** and **below normal** rainfall was similar.
- Verification for the outlook was **near consistent** with the observed rainfall.

Outlooks for February to April 2015:

1. SCOPIC:

- The Hanan Airport outlook for February to April, using NINO 3.4 shows the most likely outcome is **below normal**, with normal the next most likely. The least likely category is above normal.
- Confidence in the outlook is **moderate**.

2. POAMA:

- The POAMA outlook for February to April 2015 shows the mostly likely outcome is **below normal**.

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: $X \geq 35$