

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 90

Country Name: *Niue Island*

TABLE 1: Monthly Rainfall

Station (include data period)	February 2015						
	December 2014 Total	January 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport (1950 – 2014)	46.8	165.7	266.9	190.0	280.8	238.0	39/66

TABLE 2: Three-monthly Rainfall December 2014 to February 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #86]

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	479.4	610.0	823.6	681.0	13/65	44/30/26 (17.7)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for December 2014 to February 2015 Outlooks (refer to OCOF #86):

Periods: September – October 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
April to June 2015**

Predictors and Period used: January to February 2015, NINO 3.4

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	54	443.6	46		0.2	52.3

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	42	354.7	26	526.8	32	2.8	20.0

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	30	415	48	584	22		

Summary Statements

Rainfall for February 2015:

- February rainfall was **normal**.

Accumulated rainfall for December 2014 to February 2015, including outlook verification:

- Rainfall for December 2014 to February 2015 was **below normal**.
- The outlook for December 2014 to February 2015 showed the most likely outcome was **below normal**, with **normal** the next mostly likely.
- Verification for the outlook was **consistent** with the observed rainfall.

Outlooks for April to June 2015:

1. SCOPIC:

- The Hanan Airport outlook for April to June 2015, using NINO 3.4 favours below normal rainfall with above normal the next likely category; **near-normal** is the least likely outcome.
- Confidence in the outlook is **low**.

2. POAMA:

- The POAMA outlook for April to June 2015 shows the mostly likely outcome is **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: $X \geq 35$