

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 80

Country Name: *Niue Island*

TABLE 1: Monthly Rainfall

Station (include data period)	April 2014						
	February 2014 Total	March 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport (NINO3.4)	135.0	556.3	76.0	173.0	278.0	212.0	7/65

**TABLE 2: Three-monthly Rainfall
February to April 2014**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #76]

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 SST's 1 & 9	767.3	640.0	854.0	741.0	36/65	23/17/60 (5.6)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for February to April 2014 Outlooks (refer to OCOF #76):

Periods: October - December 2013

Predictors: SST's 1 & 9

* 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
June to August 2014**

Predictors and Period used: Periods: March – April 2014

Predictors: NINO 3.4

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	49	274.0	51		-1.2	53.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	33	221.0	33	342.4	34	-1.4	20.3

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
June to August 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	6	274	89	362	5		

Summary Statements

Rainfall for April 2014:

- “Below Normal” rainfall

Accumulated rainfall for March – April 2014, including outlook verification:

- Three months rainfall using SST’s 1 & 9, periods October to December for March to April was forecast for “***Above Normal***” rainfall.
- Observed rainfall value was 767.3 mm and it was “***Normal***” rainfall.
- Therefore, the verification was “***Near Consistent***”.

Outlooks for June – August 2014:

1. SCOPIC:

Rainfall for the 3 months using Nino 3.4 shows little guidance as there is near equal chance of “***Above Normal***”, “***Below Normal***” and “***Normal***”. Confidence in the outlook is “very low”.

2. POAMA:

- The POAMA outlook for June to August 2014 shows the most 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: $X \geq 35$