

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 78

Country Name: *Niue Island*

TABLE 1: Monthly Rainfall

Station (include data period)	February 2014						
	December 2013 Total	January 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport (NINO3.4)	238.5	282.0	135.0	196	281	238.5	16/65

TABLE 2: Three-monthly Rainfall December to February 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #74]

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	655.5	603.7	826.0	681	29/64	10/24/66 (17.8)	Near Consistent

Period: *below normal / normal / above normal

Predictors and Period used for December to February 2014 Outlooks (refer to OCOF #74):

Periods: August - October

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 April to June 2014

Predictors and Period used: Periods: December – February 2014

Predictors: NINO 3.4

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport NINO 3.4	47	444.5	53		0.5	52.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport NINO 3.4	27	354	36	527	37	2.8	22.2

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	40	544	42	701	18		

Summary Statements

Rainfall for February 2014:

- NINO 3.4 – February rainfall was “**Below Normal**”.

Accumulated rainfall for December – February 2014, including outlook verification:

- Three months rainfall using SSTs 1 and 9, periods August – October for December-February was for “**Above Normal**” rainfall.
- Observed rainfall value was 655.5 mm and it was “**Normal**”.
- The verification was “**Near Consistent**”.

Outlooks for April – June 2014:

1. SCOPIC:

Rainfall for the 3 months using Nino 3.4 shows the most likely outcome is “**Above Normal**”, with “**Normal**” the next most likely. The least likely category is “**Below Normal**”. Confidence in the outlook is low.

2. POAMA:

- Lower: 40
 - Middle: 42
 - Upper: 18
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- The POAMA seasonal rainfall outlook for April to June 2014 shows the most likely outcome is “**Normal**”, with “**Below Normal**” the next most 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: $X \geq 35$