

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 76

Country Name: *Niue Island*

TABLE 1: Monthly Rainfall

Station (include data period)	December 2013						
	October 2013 Total	November 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	106.9	106.8	238.5	122.2	212.3	148.6	47/64

TABLE 2: Three-monthly Rainfall October to December 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #72]

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	452.2	369.0	540.0	448.0	33/64	15.8/30.6/53.6 13.7	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for October to December 2013 Outlooks (refer to OCOF #72):

Periods: June - August

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 February to April 2014

Predictors and Period used: Periods: October – December

Predictors: SST's 1 & 9

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	16.2	741.0	83.8		13.3%	65.6%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	23.2	640.0	17.0	854.0	59.8	5.6%	46.9%

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	36.4	608	51.5	851	12.1		

Summary Statements

Rainfall for December 2013:

- “Above Normal” rainfall.

Accumulated rainfall for October-December 2013, including outlook verification:

- Three months rainfall using SST’s 1 & 9, Periods June – August for October to December was forecast for “Above Normal” rainfall.
- Observed rainfall value was 452.2mm and it was “Normal” rainfall.
- Therefore verification was Near Consistent.

Outlooks for February-April 2014:

1. SCOPIC:

- Rainfall for the next 3 months using SST’s 1 & 9 is forecast to be “Above Normal” rainfall with a Good Skill.

2. POAMA:

Lower: 36.4

Middle: 51.5

Upper: 12.1

SCOPIC is forecast for “Above Normal” rainfall and POAMA is forecast to be “Normal” rainfall.

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: $X \geq 35$