

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 74

Country Name: *NIUE ISLAND*

TABLE 1: Monthly Rainfall

Station (include data period)			October 2013				
	August 2013 Total	September 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	147.8	88.3	106.9	65.3	180.1	104	33/64

**TABLE 2: Three-monthly Rainfall
August to October 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #70]

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	343.0	236.7	436.1	335	34/64	32.8/40.6/26.6 (-0.6)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for August to October 2013 Outlooks (refer to OCOF #70):

**Predictors- SST's 1 & 9
Periods – April to June**

* 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 December 2013 to February 2014

Predictors and Period used: Periods August – October, Predictor SST's 1 & 9

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	21.9	681.0	78.1		15.2%	68.3%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	10.0	603.7	24.0	826.0	66.0	17.8%	52.4%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for December 2013 to February 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	10.0	611	27.0	713	63.0		

Summary Statements

Rainfall for October 2013:

- “Normal” rainfall.

Accumulated rainfall for August–October 2013, including outlook verification:

- Three months rainfall using SST’s 1 & 9 April to June for August to September was “Normal” with a very low confidence
- Observed rainfall value was 343.0mm and it was consistent.

Outlooks for December 2013–February 2014:

1. SCOPIC:

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

2. POAMA: Lower: 10.0

Middle: 27.0

Upper: 63.0

- SCOPIC is forecast for “Above Normal” and POAMA is forecast to be “Above 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: $X \geq 35$