

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 73

Country Name: *NIUE*

TABLE 1: Monthly Rainfall

Station (include data period)	September 2013						
	July 2013 Total	August 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	305.8	147.8	88.3	56.3	131.7	95.0	31/64

TABLE 2: Three-monthly Rainfall July to September 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #69]

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	541.9	246.7	354.3	313	60/64	32/ 43 /25 -1.8	Near Consistent

Period: *below normal / normal / above normal

Predictors and Period used for July to September 2013 Outlooks (refer to OCOF #69):

Predictors - SST's 1 & 9

Periods - March - May

* 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 November 2013 to January 2014

Predictors and Period used: SST's Periods July to September.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	22.8	598.0	77.2		8.0%	63.5%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	17.4	506.7	17.8	683.9	64.8	9.6%	46.0%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2013 to January 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	23.0	501	17.0	676	60.0		

Summary Statements

Rainfall for September 2013:

- “Below Normal” rainfall with a good skill.

Accumulated rainfall for July–September 2013, including outlook verification:

- Three months rainfall using SST’s 1 & 9 March to May for July to September was “Normal” with a very low confidence.
- Observed rainfall value was 541.9mm and it was “Above Normal”. Therefore Verification was Near Consistent.

Outlooks for November 2013–January 2014:

1. SCOPIC:

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

2. POAMA: Low: 23.0

Middle: 17.0

High: 60.0

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

NB: The XLEPS % 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: $X \geq 35$