

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 66

Country Name: *NIUE*

TABLE 1: Monthly Rainfall

Station (include data period)			February 2013				
	December 2012 Total	January 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	98.2	209.9	208.1	193.0	282.3	239.0	25/63

TABLE 2: Three-monthly Rainfall December 2012 to February 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #62]

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	516.2	610.7	828.3	682.0	14/63	29/17/54 (17.8)	Inconsistent

Period: *below normal/normal/above normal

Predictors and Period used for December 2012 to February 2013 Outlooks (refer to OCOF #62): Predictors using SST'S 1 & 9. Periods August, September and October

* 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 2013

Predictors and Period used: SST's 1 & 9 – December to February

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	50%	446.0	50%		-0.3	52.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	38%	355.3	26%	529.3	36%	1.1	34.9

TABLE 4: Seasonal Climate Outlooks using POAMA2 for April to June 2013

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	16.6	544	66.6	58.4	16.6		

Summary Statements

Rainfall for February 2013: January rainfall was “Normal” with a good skill.

Accumulated rainfall for December 2012 – February 2013, including outlook verification:

Three months rainfall for December to February was forecasted to be “Above Normal” with a high confidence. The observed value was 516.2mm and it was “Below Normal”. The forecast was Inconsistent.

Outlooks for April – June 2013:

1. SCOPIC: Rainfall for the next 3 months using SST’s 1 & 9, the forecast for “Below Normal” with a low skill.

2. POAMA: Lower: 16

Middle: 66

Upper: 16

Scopic forecast for “Below Normal” and POAMA forecast for “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: $X \geq 35$