

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 65

Country Name: NIUE

TABLE 1: Monthly Rainfall

Station (include data period)			January 2013				
	November 2012 Total	December 2012 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	54.6	98.2	209.9	184	336.7	242	28/63

TABLE 2: Three-monthly Rainfall November 2012 to January 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #61]

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	362.7	512.0	684.8	599.1	10/63	32/20/48 (9.6)	Inconsistent

Period: *below normal/normal/above normal

Predictors and Period used for November 2012 to January 2013 Outlooks (refer to OCOF #61): Predictors using SST'S 1 & 9. Periods July, August and September.

* 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
March to May 2013**

Predictors and Period used: SST's 1 & 9 November to January

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	58%	628	42%		-0.3	49.2

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	48%	550.8	16%	769.7	36%	4.8	44.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
March to May 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	23.3	544	30.0	701	46.7		

Summary Statements

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

Accumulated rainfall for November 2012–January 2013, including outlook verification: Three month rainfall for November to January was forecasted to be “Above Normal” with a moderate confidence. The observed value was 362.7mm and it was “Below Normal”. The forecast was inconsistent.

Outlooks for March–May 2013:

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

2. POAMA: Lower: 23

Middle: 30

Upper: 46

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