

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 71

Country Name: *NIUE*

TABLE 1: Monthly Rainfall

Station (include data period)	July 2013						
	May 2013 Total	June 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	32.5	76.4	305.8	55.7	123.2	88.0	63/64

**TABLE 2: Three-monthly Rainfall
May to July 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #67]

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	414.7	252.0	382.3	310	47/64	27/40/33 2.4	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for May to July 2013 Outlooks (refer to OCOF #67):

Predictors – SST's 1&9

Periods – Jan & Mar

* 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
September to November 2013**

Predictors and Period used: SST's 1 & 9, Periods: May to July

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	43.3	363.0	56.7		16.9	63.5

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	33.0	302.0	16.5	473.7	50.5	8.2	42.9

❖ (16.4 to 16.5, Increased to make it total up to 100)

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
September to November 2013**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	46.66	267	16.67	474	36.67		

Summary Statements

Rainfall for July 2013:

- “Above Normal” rainfall.

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

- Three months rainfall using SST’s 1 & 9 May to July was “Above Normal” with a low confidence.
- Observed rainfall value was 414.7mm and lies between the 33 percentile and 67 percentile. Therefore, verification was “Near Consistent”.

Outlooks for September–November 2013:

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:

Lower: 46.67

Middle: 16.67

Upper: 36.67

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