

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 70

Country Name: NIUE

TABLE 1: Monthly Rainfall

Station (include data period)			June 2013				
	April 2013 Total	May 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	53.8	32.5	76.4	55.3	104	78	32/64

TABLE 2: Three-monthly Rainfall April to June 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #66]

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	162.7	355.3	529.3	446	5/64	38/26/36 1.1	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2013 Outlooks (refer to OCOF #66):

Predictors – SST's 1 & 9

Periods – Dec to Feb

* 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 August to October 2013

Predictors and Period used: SST's 1 & 9, Periods: April to June

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	46.2	335	53.8		0.4	50.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	32.8	236.7	40.6	436.1	26.6	-0.6	25.4

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2013

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	43.33	228	26.67	450	30.00		

Summary Statements

Rainfall for June 2013:

- **“Normal”** Rainfall with a moderate skill.

Accumulated rainfall for April – June 2013, including outlook verification:

- Three months rainfall using SST’s 1 & 9 for April to June was **“Below Normal”** with a low confidence.
- Observed rainfall value was 162.7mm and lies below the 33 percentile. Therefore, verification was **“Consistent”**.

Outlooks for August–October 2013:

1. SCOPIC:

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

2. POAMA:

Lower: 43.33

Middle: 26.67

Upper: 30.00

- SCOPIC was forecast for **“Normal”** and POAMA was 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: $X \geq 35$