Niue Island - Online Climate Outlook Forum (OCOF) No. 114

Country Name: Niue Island

TABLE 1: Monthly Rainfall

Station (include data period)	December 2016 Total	January 2017 Total	February 2017				
			Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Hanan Airport	180.9	395.3	461.2	196.0	281.0	239.0	64/67

TABLE 2: Three-monthly Rainfall
December 2016 to February 2017
[Please note that the data used in this verification should be sourced from table 3 of OCOF #110]

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	1037.4	587.7	792.5	670.5	61/67	14/41/**45** (19.5)	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for December 2016 to February 2017 Outlooks (refer to OCOF #110):

Nino 3.4 – September 2016 – October 2016

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* Forecast is <u>consistent</u> when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).
Forecast is <u>near-consistent</u> 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 <u>inconsistent</u> 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 2017

Predictors and Period used: Nino 3.4 – December 2016 – February 2017

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Hanan Airport	48	443.0	52		0.4	53.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Hanan Airport	28	354.0	36	526.4	36	3.9	40.3

TABLE 4: Seasonal Climate Outlooks using POAMA2 for April to June 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Hanan Airport	60	415	30	584	10		

Summary Statements

Rainfall for February 2017:

Rainfall for February 2017 was "Above Normal".

Accumulated rainfall for December 2016 to February 2017, including outlook verification:

Rainfall for December 2016 to February 2017 was above normal.

The outlook showed near-equal likelihood of above normal, with normal the next most likely.

Verification for the outlook was consistent with observed rainfall.

Outlooks for April to June 2017:

1. **SCOPIC:**

The outlook offers little guidance for the coming season as the chances of above-normal, normal and below-normal rainfall are similar.

POAMA:

The POAMA outlook for April to June 2017 favours 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: $X \geq 35$