

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 111

**Country Name: Tuvalu**

**TABLE 1: Monthly Rainfall**

Station (include data period)	November 2016						
	September 2016 Total	October 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nanumea	66.9	46.2	102.7	115	205	154	24/75
Nui	31.8	91.2	101.4	198	273	235	5/71
Funafuti	161.4	292.8	283.5	212	309	250	49/84
Niulakita	167.7	292.1	210.5	214	320	274	19/63

**TABLE 2: Three-monthly Rainfall  
September to November 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #107]

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?)
Nanumea	215.8	334.4	618.5	475.0	16/75	6/33/61	Inconsistent
Nui	224.4	501.7	738.3	620.2	3/71	13/34/53	Inconsistent
Funafuti	737.7	620.9	850.0	736.6	43/84	13/36/51	Near consistent
Niulakita	670.3	608.2	824.2	700.8	28/63	31/37/32	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for September to November 2016 Outlooks (refer to OCOF #106):

\* 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).



## **Summary Statements**

### **Rainfall for November 2016:**

Rainfall in November was **below normal** rainfall for all meteorological stations except Funafuti which received **normal** rainfall

### **Accumulated rainfall for September to November 2016, including outlook verification:**

Nanumea and Nui received below normal rainfall with verification of inconsistent for the last three months, normal rainfall for Funafuti with verification of near consistent, while Niulakita verification consistent with normal rainfall received.

### **Outlooks for January to March 2017:**

#### **1. SCOPIC:**

At Nanumea, below normal rainfall is the favoured with normal rainfall the next most likely and a very high confidence

The outlook for Niulakita offers little guidance for the coming season as the chances of above normal, normal and below normal rainfall are similar. At Nui, below normal is the most likely outcome, with above-normal the next most likely. There is low confidence for both meteorological stations.

At Funafuti, below normal rainfall is the most likely outcome with normal rainfall the next most likely and a moderate confidence

#### **2. POAMA:**

**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:  $X \geq 35$