

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 114

**Country Name: TUVALU**

**TABLE 1: Monthly Rainfall**

Station (include data period)			February 2017				
	December 2016 Total	January 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
NANUMEA	256.2	157.9	262.5	161.0	303.0	261.7	39/77
NUI	81.4	384.0	202.8	228.5	333.6	278.9	20/72
FUNAFUTI	232.1	334.6	114.4	270.3	424.1	347.8	3/85
NIULAKITA	446.2	73.9		263.0	379.0	321.1	

**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)?
NANUMEA	676.6	766.1	1122.4	966.8	20/75	51/42/7	consistent
						36%	
NUI	668.2	869.8	1209.3	1066.8	13/69	39/30/31	consistent
						2%	
FUNAFUTI	681.1	1000.2	1240.1	1133.9	2/84	37/29/34	consistent
						-0.9%	
NIULAKITA		854.2	1157.4	1003.5		27/30/42	
						7%	

Period: \*below normal/normal/above normal

\* 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  
April to June 2017**

Predictors and Period used: NINO3.4 Jan-Feb 2017

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
NANUMEA	60%	627.2	40%		29.7%	71.2%
NUI	56%	580.2	44%		20.7%	71.6%
FUNAFUTI	56%	701.8	44%		19.4%	73.1%
NIULAKITA	53%	632.8	47%		2.5%	54.7%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
NANUMEA	37%	542.5	40%	755.2	23%	20.2%	57.6%
NUI	37%	517.4	36%	723.6	27%	8.0%	55.2%
FUNAFUTI	36%	616.8	41%	789.3	23%	28.0%	64.2%
NIULAKITA	36%	573.0	34%	734.1	30%	4.8%	40.6%

**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)		
Funafuti	27	638	18	829	55		
Nanumea	12	626	45	891	43		
Niulakita	42	565	9	648	49		
Nui	15	559	46	809	39		

## **Summary Statements**

### **Rainfall for February 2017**

Normal rainfall observed at Nanumea and below normal rainfall for Nui and Funafuti stations.

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

Nanumea, Nui and Funafuti collected below normal rainfall with consistent verification

### **Outlooks for April to June 2017:**

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

The outlook for the coming three months shows generally similar chances of normal or below-normal rainfall, with above-normal the least likely. Moderate to very high confidence in the outlook for Nanumea, Nui and Funafuti, with low confidence for Niulakita.

**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:  $X \geq 35$