

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 98

**Country Name:** Tuvalu

### TABLE 1: Monthly Rainfall

Station (include data period)	October 2015						
	August 2015 Total	September 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nanumea	203.6	81.2	366.3	92.8	188.2	133.8	71 of 75
Nui	97.3	193.4	421.0	143.0	219.3	182.9	66 of 70
Funafuti	131.0	130.1	287.5	201.7	293.0	245.4	54 of 83

### TABLE 2: Three-monthly Rainfall August to October 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #94]

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	651.1	342.1	595.2	502.4	60 of 75	4/15/81 [23.0%]	Consistent
Nui	711.7	485.5	702.5	567.0	47 of 70	7/21/72 [15.2%]	Consistent
Funafuti	548.6	597.4	799.6	673.0	18 of 83	7/21/72 [13.9%]	Inconsistent

Period: \*below normal/normal/above normal

Predictors and Period used for August to October 2015 Outlooks (refer to OCOF #94):

\* 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  
December 2015 to February 2016**

**Predictors and Period used: NINO 3.4**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Nanumea	1%	961.0	99%		35.4%	72.7%
Nui	13%	1065.0	87%		11.9%	69.7%
Funafuti	14%	1135.5	86%		10.4%	63.6%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Nanumea	0%	735.9	2%	1109.9	98%	37.8%	54.5%
Nui	1%	837.6	65%	1192.2	34%	12.9%	57.6%
Funafuti	3%	1008.9	18%	1241.8	79%	13.5%	48.5%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
December 2015 to February 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Nanumea	21.2%	838	12.1%	1130	66.7%		
Nui	9.1%	695	12.1%	1262	78.8%		
Funafuti	27.3%	930	24.2%	1151	48.5%		

## **Summary Statements**

### **Rainfall for October 2015:**

Normal rainfall observed at Funafuti station.

Above normal rainfall received at Nanumea and Nui stations

### **Accumulated rainfall for August to October 2015, including outlook verification:**

Nanumea and Nui rainfall was above normal with consistent verification.

Funafuti was below normal rainfall with verification of inconsistent.

### **Outlooks for December 2015 to February 2016:**

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

The Nanumea and Funafuti outlook is favoured to be above normal with normal the next most likely outcome. Confidence in the outlook is exceptional for Nanumea and good skills for Funafuti.

The Nui outlook is most likely normal with above normal the next likely outcome.

Good confidence in the outlook.

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

Above normal rainfall forecast for the next three months.

**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:  $X \geq 35$