

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 85

**Country Name:** TUVALU

### TABLE 1: Monthly Rainfall

Station (include data period)	Sept 2014						
	July 2014 Total	Aug 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nanumea	88.0	151.1	103.1	114.6	203.0	244.4	25/73
Nui	149.1	300.2	184.3	199.1	275.9	235.4	
Funafuti	210.5	220.5	293.1	210.3	305.0	244.4	43/82

### TABLE 2: Three-monthly Rainfall July to September 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #81]

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	342.2						
Nui	633.6	978.0	978.0	821.3		33/34/33 Leps 5.5	Near-consistent
Funafuti	724.1	807.0	1047.7	926.1	20/82	32/38/30 Leps 19.3	Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for July to September 2014 Outlooks (refer to OCOF #79):

\* 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  
November to January 2015**

**Predictors and Period used: July -September**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	/Hit-rate
Nanumea	22%	892.2	78%		31.0	71.2%
Nui	32%	987.6	68%		14.3	69.1%
Funafuti	52%	1027.9	48%		-1.1	55.6%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Nanumea	11%	624.3	37%	997.0	52%	23.7	50.7%
Nui	13	843.8	43%	1114.8	44%	13.3	42.6%
Funafuti	30%	927.5	40%	1146.5	30	-1.0	25.9%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
November to January 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Nanumea	18%	627	24	836	58		
Funafuti	36%	802	31%	949	33%		
Nui	27%	528	12%	869	61%		

**Summary Statements**

**Rainfall for September 2014:**

Normal for Funafuti

Below Normal for Nanumea & Nui

**Accumulated rainfall for July to September 2014, including outlook verification:**

Below Normal for Funafuti. Outlook for July to September Consistent with observed rainfall.

Below Normal for Nui. Outlook for July to September of Consistent with observed rainfall.

**Outlooks for November 2014 to January 2014:**

**1. SCOPIC:**

Nui: There is a near equal likelihood of Normal and Above Normal rainfall with below normal the least likely outcome.

Funafuti: The most likely outcome is Normal rainfall with and equal chances of Above Normal and Below Normal as the next most likely.

Nanumea : Above Normal rainfall is the most likely outcome with Normal the next most likely.

**2. POAMA:**

For Nanumea and Nui Above Normal is the most likely outcome. For Funafuti the outlook offers little guidance as the chances of above-normal, normal and below-normal rainfall are similar

**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:  $X \geq 35$