

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 89

**Country Name:** TUVALU

**TABLE 1: Monthly Rainfall**

Station (include data period)	January 2015						
	November 2014 Total	December 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
NANUMEA	61.6	210.6	298.0	251.6	418.9	349.4	31 of 75
NUI	136.6	247.9	437.3	257.3	459.0	353.0	42 of 70
FUNAFUTI	308.9	330.7	891.3	311.6	480.2	410.1	81 of 83
NIULAKITA	209.4	106.8	459.6	282.5	421.2	359.6	46 of 63

**TABLE 2: Three-monthly Rainfall  
November 2014 to January 2015**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #85]

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	570.2	624.3	997.0	892.2	22 of 74	11/37/52 [26.7%]	In consistent
NUI	821.8	843.8	1114.8	987.6	23 of 69	13/43/44 [14.3%]	In consistent
FUNAFUTI	1530.9	927.5	1146.5	1027.9	76 of 82	30/40/30 [6.3%]	Near consistent
NIULAKITA	775.8	814.5	1119.6	992.8	20 of 62	36/36/28 [1.1%]	Near Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for November 2014 to January 2015 Outlooks (refer to OCOF #85): Nino 3.4

\* 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 4: Seasonal Climate Outlooks using SCOPIC for March to May 2015**

**Predictors and Period used: Nino 3.4 SST anomaly**

[Table 4 - Complete one or both tables. Once you have made a choice continue to use the same table]

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
NANUMEA	40%	774.1	60%		6.5%	58.1%
NUI	37%	828.6	63%		-1.0%	62.5%
FUNAFUTI	38%	787.1	62%		8.6%	68.8%
NIULAKITA	45%	828.6	56%		-1.0%	62.5%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
NANUMEA	17%	550.2	37%	880.6	46%	15.1%	51.6%
NUI	28%	603.2	31%	828.1	42%	5.4%	50.0%
FUNAFUTI	25%	671.1	32%	886.4	43%	6.2%	53.1%
NIULAKITA	23%	674.1	41%	914.0	37%	2.9%	40.6%

**TABLE 5: Seasonal Climate Outlooks using POAMA2 for March to May 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
NANUMEA	6%	810	89%	1106	5%		
NUI	9%	798	86%	1126	5%		
FUNAFUTI	25%	907	42%	1086	33%		

**Summary Statements**

**Rainfall for January 2015:**

Normal rainfall observed at Nanumea and Nui. Above normal rainfall recorded at Niulakita and Funafuti with the highest ever in records observed on the 27<sup>th</sup> with 347.5mm at Funafuti.

**Accumulated rainfall for November 2014 to January 2015, including outlook verification:**

Below normal rainfall observed at Nanumea, Nui and Niulakita with in consistent verification for Nanumea and Nui. Near consistent verification for Niulakita and Funafuti which had above normal rainfall.

**Outlooks for March to May 2015:**

**1. SCOPIC:**

- A high chance of above normal rainfall for Nanumea, Nui and Funafuti. The most likely outcome for Niulakita is normal rainfall with above normal the next most likely. The skill of the outlook for Nui and Funafuti is moderate, high skill for Nanumea, low skill for Niulakita.

**2. POAMA:**

Poama favours a high chance of normal rainfall for Nanumea, Nui and Funafuti.

**Overall prediction:**

- Outlook for the upcoming three months MAM is normal for Niulakita with normal to above normal for the central and northern divisions

**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:  $X \geq 35$