

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 113

Country Name: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)	January 2017						
	November 2016 Total	December 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nanumea	102.7	256.2	157.9	254	415	341	18/77
Nui	101.4	81.4	384.0	256	456	353	39/72
Funafuti	283.5	232.1	334.6	305	482	410	34/85
Niulakita	210.5	446.2	484.0	291	430	363	51/64

**TABLE 2: Three-monthly Rainfall
November 2016 to January 2017**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #109]

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	516.8	631	1001	904	19/75	45/40/15	Consistent
						27%	
Nui	566.8	848	1114	987	8/69	39/29/32	Consistent
						2%	
Funafuti	850.2	931	1153	1048	18/84	38/25/37	Consistent
						0%	
Niulakita	1140.7	812	1122	992	43/61	22/36/42	Consistent
						13	

Period: *below normal/normal/above normal

Predictors and Period used for October to December 2016 Outlooks (refer to OCOF #109):
NINO3.4 for 1 or 2 months?

* 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 January 2017:

Rainfall in January was **below-normal** at Nanumea, **normal** at Nui and Funafuti, while Niulakita received **above-normal**.

Accumulated rainfall for November 2016 to January 2017, including outlook verification:

Rainfall over the last three months was **below-normal** at all stations except Niulakita which observed **above-normal**. The outlooks were **consistent** with the observed rainfall.

Outlooks for March to May 2017:

1. SCOPIC:

At Nanumea, Nui and Funafuti, **below-normal** rainfall is the most likely, with **normal** rainfall the next most likely. Outlook confidence is **good** at Nanumea and **moderate** at Nui and Funafuti.

The outlook for Niulakita, shows **below-normal** rainfall is the most likely, with similar chances of **normal** or **above-normal** rainfall the next most likely.

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: $X \geq 35$