

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 75

Country Name: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)	November 2013						
	September 2013 Total	October 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nui	113.5	176.9	119.9	201.2	277.4	235.5	7 of 68
Funafuti	157.1	324.8	221.3	208.8	306.7	247.1	33 of 81
Niulakita	119.2	495.0	210.6	217.0	323.2	281.8	19 of 61

TABLE 2: Three-monthly Rainfall September to November 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #71]

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?)
Nui	410.3	518.0	738.3	620.5	14 of 68	52.0/36.5/11.5 [12.6%]	Consistent
Funafuti	703.2	620.5	834.9	732.7	37 of 81	47.2/32.0/20.8 [4.1%]	Near consistent
Niulakita	824.8	612.1	854.5	708.1	40 of 61	31.9/47.0/21.1 [-0.1%]	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for September to November 2013 Outlooks (refer to OCOF #71):

SOI values May - July

TABLE 3: Seasonal Climate Outlooks using SCOPIC for January to March 2014

Predictors and Period used: SOI values SEPT - NOV

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Nui	58.4%	994.2	41.6%		17.4%	69.1%
Funafuti	54.6%	1070.3	45.4%		3.8%	60.5%
Niulakita	47.9%	1076.9	52.1%		-0.2%	60.7%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Nui	37.9%	853.0	35.4%	1097.7	26.7%	15.0%	50.0%
Funafuti	38.2%	981.7	28.9%	1117.2	32.9%	6.9%	42.0%
Niulakita	34.0%	948.2	30.9%	1148.2	35.1%	-1.1%	37.7%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for January to March 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Funafuti	33.33%	1022	33.34%	1201	33.33%		

Summary Statements

Rainfall for November 2013:

Below Normal rainfall received at:

- Nui with rainfall less than 201.2mm
- Niulakita with rainfall less than 217.0mm

Normal Rainfall received at:

- Funafuti with total rainfall falls between 208.8mm - 306.7mm

Accumulated rainfall for September–November 2013, including outlook verification:

Below Normal rainfall received at:

- Nui with total rainfall less 518.0mm with consistent in verification.

Normal Rainfall received at:

- Funafuti with total rainfall falls between 620.5 – 834.9mm with near consistent in verification.
- Niulakita with total rainfall falls between 612.1 – 854.5mm with consistent in verification.

Outlooks for January-March 2014:

1. SCOPIC:

- Below normal rainfall predicts for Nui and Funafuti. Very high skills for Nui, moderate skills for Funafuti.
- Above normal rainfall predicts for Niulakita with very low skills.

2. POAMA: Climatology outlook for Funafuti rainfall.

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: $X \geq 35$