

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 79

Country Name: TUVALU

TABLE 1: Monthly Rainfall

Station (include data period)	March 2014						
	January 2014 Total	February 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
FUNAFUTI	519.2	439.8	367.8	270.6	371.8	323.3	53/82
NIULAKITA	299.1	338	221.1	276.0	392.9	327.2	13/62
NUI	220.3	154.4	168.7	237.3	339.7	267.1	10/69

TABLE 2: Three-monthly Rainfall January to March 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #75]

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?)
FUNAFUTI	1326.8	981.7	1117.2	1070.3	70/82	38/29/33 6.9	INCONSISTENT
NIULAKITA	858.1	948.2	1148.2	1076.9	14/62	34/31/35 -1.1	INCONSISTENT
NUI	543.4	853.0	1097.7	944.2	8/69	38/35/27 15.0	CONSISTENT

Period: *below normal/normal/above normal

Predictors and Period used for January to March 2014 Outlooks (refer to OCOF #75):

SOI VALUES SEPT-NOV 2013

* 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
May to July 2014**

Predictors and Period used: SOI VALUES Jan-Mar 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
FUNAFUTI	46%	701.0	54%		25.6%	75.3%
NIULAKITA	50%	610.1	50%		-1.6%	54.1%
NUI	46%	577.2	54%		23.0%	73.5%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
FUNAFUTI	27%	606.7	39%	778.2	34%	21.9%	60.7%
NIULAKITA	33%	538.0	34%	703.9	33%	-2.1%	25.0%
NUI	28%	509.6	41%	663.0	31%	26.4%	66.0%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
May to July 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
FUNAFUTI	33%	638	49%	829	18%		
NUI	24%	559	49%	809	27%		

Summary Statements

FUNAFUTI IS NORMAL RAINFALL
NIULAKITA IS BELOW NORMAL RAINFALL
NUI IS BELOW NORMAL RAINFALL

Accumulated rainfall for January to March 2014, including outlook verification:

FUNAFUTI IS ABOVE NORMAL WITH VERIFICATION OUTLOOK OF INCONSISTENT
NIULAKITA IS BELOW NORMAL WITH VERIFICATION OUTLOOK OF INCONSISTENT
NUI IS BELOW NORMAL WITH VERIFICATION OUTLOOK OF CONSISTENT

Outlooks for May-July 2014:

SCOPIC

The seasonal rainfall outlook for May/June/July shows most likely outcome is:

- normal for Funafuti with very high skill,
- normal for Nui with very high skill, and
- little guidance for Niulakita with equal chance of below normal, normal and above normal with very low skill.

- **POAMA**

Predicts Normal for Funafuti and Nui

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: $X \geq 35$