

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 82

Country Name: TUVALU

TABLE 1: Monthly Rainfall

Station (include data period)			June 2014				
	April 2014 Total	May 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Funafuti	133.6	139.7	160	164.3	266.3	216.9	26/82
Nanumea		93.0	97.1	137.4	206.9	171	15/74
Niulakita	58.5	81.5	197	141.6	249.1	188.0	33/62
Nui	52.4	76.2	65.3	147.5	217.2	173.2	6/69

TABLE 2: Three-monthly Rainfall April to June 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #78]

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	433.3	616.8	786.1	698.5	7/82	38/34/28 (13.1)	Consistent
Niulakita	337	573.0	724.6	624.0	3/62	37/31/32	Consistent
Nui	193.9	526.0	723.6	583.6	2/69	38/37/25 (10.2)	Consistent

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2014 Outlooks (refer to OCOF #78):

* 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
August to October 2014**

Predictors and Period used: SOI values APRIL MAY JUNE

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Fuanfuti	64	672.4	36		16.0	66.7
Nanumea	63	503.4	37		14.7	67.1
Nuilakita	60	647.0	40		8.9	60.7
Nui	74	567.2	26		34.3	77.9

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Funafuti	42	597.2	37	799.3	21	13.4	45.7
Nanumea	46	340.2	35	605	19	19.8	50.7
Niulakita	37	573.1	33	829.2	30	0.8	37.7
Nui	48	498.0	31	717.0	21	26.3	57.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
August to October 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Funafuti	21	671	43	859	36		
Nanumea	5	405	71	705	24		
Nui	5	533	71	729	24		

Summary Statements

Rainfall for June 2014:

Below Normal for all stations except Niulakita, which was Normal

Accumulated rainfall for April to June 2014, including outlook verification:

Below Normal for Funafuti with verification Outlook of Consistent and Good skills

Below Normal for Nui with verification Outlook of Consistent and Good skills

Below Normal for Niulakita with verification Outlook of Consistent and Moderate skills

Outlooks for August to October 2014:

SCOPIC:

The seasonal rainfall outlook for August to October at Funafuti, Nui and Nanumea shows the most likely outcome is Below Normal rainfall, with Normal the next most likely. The outlook for Niulakita shows little guidance for the coming season, as the chances of Below Normal, Normal and Above Normal are similar.

POAMA:

The seasonal rainfall outlook for August to October for all stations shows the most likely outcome is Normal, with Above Normal 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: $X \geq 35$