

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 86

Country Name: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)	October 2014						
	August 2014 Total	September 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Funafuti	220.5	293.1	287.1	200.2	295.0	244.1	7/82
Nanumea	151.1	103.1	91.8	94.7	188.4	135.0	5/74
Niulakita	290.4	192.0	196.6	212.3	312.4	262.0	7/62
Nui	200.2	184.3	113.4	145.1	227.7	185.1	3/69

TABLE 2: Three-monthly Rainfall August to October 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #82]

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	800.7	616.8	786.1	698.5	7/82	23/33/46 16.5	Inconsistent
Niulakita	679	573.0	724.6	624.0	3/62	32/31/37 22.4	Near Consistent
Nui	497.9	526.0	723.6	583.6	2/69	30/37/43 -2.2	In- Consistent
Nanumea	346	340.2	605.0	503.4	26/74	38/37/25 18.9	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for August to October 2014 Outlooks (refer to OCOF #82):

* 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
December 2014 to February 2015**

Predictors and Period used:

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Funafuti	43	1133.9	57		10.4	65.6
Nanumea	30	961.0	70		35.2	71.9
Niulakita	52	1003.5	48		-1.9	50.0
Nui	42	1066.8	58		12.3	68.8

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Funafuti	24	1004.6	36	1238.540	40	13.1	46.9
Nanumea	13	756.0	41	1110.4	46	41.4	56.3
Niulakita	33	854.3	39	1157.4	28	-1.4	25
Nui	24	851.1	38	1209.3	38	11.9	59.4

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
December 2014 to February 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Funafuti	19	930	36	1151	45		
Nanumeai	15	836	33	1130	52		
Nui	15	695	33	1262	52		

Summary Statements

Rainfall for October 2014:

Normal for Funafuti

Below Normal for Nanumea, Niulakita & Nui

Accumulated rainfall for August to October 2014, including outlook verification:

Above Normal rainfall was observed at Funafuti and this is inconsistent with the August to October outlook

Normal rainfall was observed at Niulakita and Nanumea and this is near consistent with the August to October outlook

Below Normal rainfall was observed at Nui and this is inconsistent with the August to October outlook

Outlooks for December 2014 to February 2015:

1. SCOPIC:

- Funafuti/Nanumea-The most likely outcome is Normal to Above Normal rainfall
- Niulakita - The outlook offers little guidance as the chances of Above-Normal, Normal and Below-normal rainfall are similar
- Nui- Near equal chances of Normal to Above Normal rainfall for Nui and below Normal is the least likely

2. POAMA:

Poama favors Above Normal for all stations

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: $X \geq 35$