

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 104

Country Name: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)	April 2016						
	February 2016 Total	March 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nanumea	685.6	513.9	449.0	197	277	230	71/75
Nui			-				
Funafuti	329.3	312.1	300.2	185	298	237	57/84
Niulakita	317.0	-	310.4	167	258	216	53/64

**TABLE 2: Three-monthly Rainfall
February to April 2016**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #100]

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	1648.5	628	992	830	74/74	0/32/68 (39.6%)	Consistent
Nui	-						
Funafuti	941.6	812	1050	928	46/84	2/70/28 (13.2%)	Consistent
Niulakita	-						

Period: *below normal/normal/above normal

Predictors and Period used for February to April 2016 Outlooks (refer to OCOF #100):

* 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
June to August 2016**

Predictors and Period used:

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Nanumea	7	830	93		20.9	68.8
Nui	19	821	81		5.8	61.5
Funafuti	5	928	95		20.8	68.2
Niulakita	63	924	37		-0.2	52.4

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Nanumea	0	628	32	992	68	39.6	60.9
Nui	3	712	34	974	63	15.2	52.3
Funafuti	2	812	70	1050	28	13.2	54.5
Niulakita	38	840	35	1014	27	-1.1	36.5

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
June to August 2016**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Nanumea	52	468	42	744	6		
Nui	39	518	56	732	5		
Funafuti	9	699	21	802	70		
Niulakita	6	466	18	733	76		

Summary Statements

Rainfall for April 2016:

Accumulated rainfall for February to April 2016, including outlook verification:

Outlooks for June to August 2016:

1. SCOPIC:

2. POAMA:

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: $X \geq 35$