Pacific Islands - Online Climate Outlook Forum (OCOF) No. 115

Country Name: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)			March 2017				
	January 2017 Total	February 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nanumea	157.9	262.5	247.3	178.3	315.1	251.8	38/77
Nui	384.0	202.8	363.5	233.6	339.7	263.9	54/72
Funafuti	334.6	114.4	281.6	272.5	368.8	320.6	32/85
Niulakita	484.0	318.2	199.9	267.0	392.9	321.8	13/65

TABLE 2: Three-monthly Rainfall
January to March 2017

[Please note that the data used in this verification should be sourced from table 3 of OCOF #111]

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	667.7	733.5	1076.2	939.3	23/77	**51**/41/8 [33%]	Consistent
Nui	950.3	846.7	1095.2	984.0	33/72	**39**/35/26 [5%]	Near-Consistent
Funafuti	730.6	981.7	1183.2	1070.6	8/35	**42**/30/28 [7%]	Consistent
Niulakita	1002.1	947.8	1154.2	1076.9	27/64	32/29/**39** [1%]	Near-consistent

Period:*below normal/normal/above normal

*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).

Predictors and Period used for January 2017 to March 2017 Outlooks (refer to OCOF #111)**:** NINO3.4 October-November 2016 (2 months)

TABLE 3: Seasonal Climate Outlooks using SCOPIC for May to July 2017

Predictors and Period used: Nino 3.4 (Feb-March 2017)

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Nanumea	57	607.2	43		18	69
Nui	56	576.0	44		20	72
Funafuti	62	701.6	38		40	79
Niulakita	53	613.7	47		4	61

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Nanumea	36	483.6	37	704.7	27	18	55
Nui	36	509.6	42	663.0	22	30	64
Funafuti	36	606.7	42	788.4	22	30	57
Niulakita	36	538	35	751.2	29	02	42

TABLE 4: Seasonal Climate Outlooks using POAMA2 for May to July 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Nanumea	33	558	52	767	15		
Nui	21	576	67	753	12		
Funafuti	39	699	33	808	28		
Niulakita	42	536	25	668	33		

Summary Statements

Rainfall for March 2017:
Rainfall in March 2017 was normal rainfall at Nanumea and Funafuti. Above normal rainfall was recorded at Nui, while Niulakita recorded below normal rainfall.

Accumulated rainfall for January to March 2017, including outlook verification:
Rainfall over the last three months was below normal rainfall at Nanumea and Funafuti with verification of consistent. Normal rainfall at Nui and Niulakita, with verification of near-consistent.

Outlooks for May to July 2017:

1. **SCOPIC:**

Nanumea and Niulakita: The outlook offers little guidance for the coming season as the chances of above-normal, normal and below normal rainfall are similar. Confidence in the outlook is high confidence at Nanumea, while Niulakita with outlook confidence of low.

Nui and Funafuti: The outlook for the next three month shows the most likely outcome is normal rainfall, with below-normal rainfall the next most likely. Outlook confidence is very high for both stations.

2. **POAMA:**

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0	Low: 0 ≤ X < 5	Moderate 5 ≤ X < 10	Good: 10 ≤ X < 15	High: 15≤ X < 25
Very High: 25 ≤X < 35	Exceptional: X ≥ 35			