Pacific Islands - Online Climate Outlook Forum (OCOF) No. 96

Country Name: Tuvalu

TABLE 1: Monthly Rainfall

Station (include data period)			August 2015				
	June 2015 Total	July 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nanumea	108.9	229.7	203.6	138.0	222.7	186.4	45/75
Nui	289.6	503.7	97.3	136.8	259.0	180.3	17/70
Funafuti	194.7	519.6	131	186.3	283.7	214.9	16/83
Niulakita	303.8	286.9	343.8	145.7	236.0	196.7	57/63

TABLE 2: Three-monthly Rainfall
June to August 2015
[Please note that the data used in this verification should be sourced from table 3 of OCOF #92]

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	542.2	426.7	696.0	584.2	37/75	15/37/48	Consistent
						16.1%	
Nui	890.6	485.3	713.9	599.8	60/70	26/22/52	Near-consistent
						10.0%	
Funafuti	845.3	583.4	814.8	713.8	56/83	12/48/40	Consistent
						6.7%	
Niulakita	934.5	533.3	737.3	591.6		29/31/40	Near-consistent

Period:*below normal/normal/above normal

Predictors and Period used for June to August 2015 Outlooks (refer to OCOF #92):

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[*] 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 October to December 2015

Predictors and Period used:

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Nanumea	28.1%	584.2	71.9%		22.7%	63.6
Nui	38.0%	599.8	62.0%		6.0%	*60.6*
Funafuti	10.4	895.0	89.6		22.6	72.7
Niulakita	45.8%	591.6	54.2%		-1.4%	66.7

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Nanumea	15	426.7	37	696.0	**48**	16.1%	52.0
Niulakita	21	726.3	**45**	952.3	34	2.4	33.3
Nui	18	709.7	40	914.4	**42**	1.8	40.7
Funafuti	4	810.8	**54**	1007.9	42	14.1	47.8

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Funafuti	20	802	4	949	76		
Nanumea	21	627	12	636	67		
Nui	15	528	6	869	79		
Niulakita	42	708	21	907	37		

Summary Statements

Rainfall for August 2015:

Nanumea normal rainfall

Funafuti below normal rainfall

Nui below normal rainfall

Niulakita above normal rainfall

Accumulated rainfall for June to August 2015, including outlook verification:
Nanumea was rainfall was above normal with the received rainfall consistent with the outlook. Skill was moderate. Funafuti, Nui and Niulakita rainfall was near normal with the received rainfall consistent for Funafuti and near consistent at Nui and Niulakita with the outlook. Skill was very good for Nui and high for Niulakita

Outlooks for October to December 2015:
1. SCOPIC:
Prediction:
The Nanumea outlook is most likely to be above normal with normal the next likely outcome. Confidence in the outlook is high.
The Funafuti and Niulakita outlook is favoured to be normal with above normal the next most likely confidence in the outlook is moderate
There is an equal chance of normal and above normal rainfall at Nui

2. POAMA:

POAMA favors above normal for Funafuti, Nui and Nanumea and below normal is most likely for Niulakita

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