Pacific Islands - Online Climate Outlook Forum (OCOF) No. 85

Country Name: TUVALU

TABLE 1: Monthly Rainfall

Station (include data period)			Sept 2014				
	July 2014 Total	Aug 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Nanumea	88.0	151.1	103.1	114.6	203.0	244.4	25/73
Nui	149.1	300.2	184.3	199.1	275.9	235.4	
Funafuti	210.5	220.5	293.1	210.3	305.0	244.4	43/82

TABLE 2: Three-monthly Rainfall
July to September 2014
[Please note that the data used in this verification should be sourced from table 3 of OCOF #81]

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	342.2						
Nui	**633.6**	978.0	978.0	821.3		33/34/33 Leps 5.5	Near-consistent
Funafuti	**724.1**	807.0	1047.7	926.1	20/82	32/38/30 Leps 19.3	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for July to September 2014 Outlooks (refer to OCOF #79):

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[*] Forecast is <u>consistent</u> when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).
Forecast is <u>near-consistent</u> 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 <u>inconsistent</u> 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 November to January 2015

Predictors and Period used: July -September

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	/Hit-rate
Nanumea	22%	892.2	78%		31.0	71.2%
Nui	32%	987.6	68%		14.3	69.1%
Funafuti	52%	1027.9	48%		-1.1	55.6%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Nanumea	11%	624.3	37%	997.0	52%	23.7	50.7%
Nui	13	843.8	43%	1114.8	44%	13.3	42.6%
Funafuti	30%	927.5	40%	1146.5	30	-1.0	25.9%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for

November to January 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Nanumea	18%	627	24	836	58		
Funafuti	36%	802	31%	949	33%		
Nui	27%	528	12%	869	61%		

Summary Statements

Rainfall for September 2014:

Normal for Funafuti

Below Normal for Nanumea & Nui

Accumulated rainfall for July to September 2014, including outlook verification:

Below Normal for Funafuti. Outlook for July to September Consistent with observed rainfall.

Below Normal for Nui. Outlook for July to September of Consistent with observed rainfall.

Outlooks for November 2014 to January 2014:
1. SCOPIC:
Nui: There is a near equal likelihood of Normal and Above Normal rainfall with below normal the least likely outcome.
Funafuti: The most likely outcome is Normal rainfall with and equal chances of Above Normal and Below Normal as the next most likely.
Nanumea : Above Normal rainfall is the most likely outcome with Normal the next most likely.

2. **POAMA:**

For Nanumea and Nui Above Normal is the most likely outcome. For Funafuti the outlook offers little guidance as the chances of above-normal, normal and below-normal rainfall are similar

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