

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 78

Country Name: TUVALU

TABLE 1: Monthly Rainfall

Station (include data period)			February 2014				
	December 2013 Total	January 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
FUNAFUTI	499.1	519.2	439.8	262.8	422.4	334.7	59/82
NANUMEA	217.5	114.4	373.0	161.1	298.0	260.0	55/74
NUI	278.1	220.3	154.4	234.2	333.6	280.2	10/69

**TABLE 2: Three-monthly Rainfall
December 2013 to February 2014**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #74]

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	1458.1	1000.2	1233.9	1126.1	73/81	33/33/34 0.1	NEAR CONSISTENT
NANUMEA	704.9	776.2	1116.4	966.8	22/73	34/33/33 1.4	NEAR CONSISTENT
NUI	652.8	868.0	1226.5	1068.1	14/68	32/35/33 6.0	NEAR CONSISTENT

Period: *below normal/normal/above normal

Predictors and Period used for December 2013 to February 2014 Outlooks (refer to OCOF #74):

SOI VALUES FOR AUGUST –OCTOBER 2013

* 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
April to June 2014**

Predictors and Period used: SOI DECEMBER 2013-FEBRUARY 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
FUNAFUTI	56	698.5	44		9.2%	64.2%
NANUMEA	61	627.2	39		21.6%	68.5%
NUI	59	583.6	41		18.8%	72.1

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
FUNAFUTI	38	616.8	34	786.1	28	13.1	48.1
NANUMEA	39	532.0	37	748.2	24	12.3	49.3
NUI	38	526.0	37	723.6	25	10.2	52.9

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
April to June 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
FUNAFUTI	33	788	43	1034	24		
NANUMEA	24	756	33	626	43		
NUI	27	707	40	940	33		

Summary Statements

Rainfall for February 2014:

Funafuti is Above Normal
 Nanumea is Above Normal
 Nui is Below Normal

Accumulated rainfall for December 2013 to February 2014, including outlook verification:

Funafuti is Above Normal with verification Outlook of Near consistent
 Nanumea is Below Normal with verification Outlook of Near Consistent
 Nui is Below Normal with verification Outlook if Near Consistent

Outlooks for April-June 2014:

1. SCOPIC:

The seasonal rainfall Outlook for April to June shows the most likely outcome is below-normal for all stations, with normal the next most likely. The least likely category is above-normal. Confidence in the outlook is good.

2. POAMA:

Funafuti & Nui Predict Normal Rainfall
 Nanumea predict Above Normal Rainfall

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: $X \geq 35$