

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 82

Country Name: SAMOA

TABLE 1: Monthly Rainfall

Station (include data period)			June 2014				
	April 2014 Total	May 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu	393.1	314.9	97.3	142.5	247.4	186.4	
Nafanua	271.5	368.2	92.3	109.3	141.2	119.5	12/43
Apia	296.3	333.3	46.8		147.2	118	
Faleolo	170.1	176.7	74.6	58.4	115.1	85.6	35/53

TABLE 2: Three-monthly Rainfall April to June 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #78]

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?)
Afiamalu	805.3	726.9	999.1	840.8	26/57	30/38/32 (2.2)	Consistent
Nafanua	732	505.8	735.1	644.8	27/42	30/36/34 (-0.2)	Consistent
Apia	676.4	454.4	644.3	534.8	94/125	32/34/34 (-0.9)	Near consistent
Faleolo	421.4	343.4	458.3	396.7	29/51	32/34/34 (-2.3)	Near consistent

Period: *below normal/normal/above normal

Predictors and Period used for April to June 2014 Outlooks (refer to OCOF #78): SOI values from December 2013 to February 2014

* 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 August to October 2014

Predictors and Period used: SOI value from April to June 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	44.2	691.0	55.8		3.2%	65.5%
Nafanua	46.2		53.8		0.6%	61.0%
Apia	47.2		52.8			54.8%
Faleolo	45.3		54.7			56.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	31	550.7	31	820.5	38	1.0%	39.7%
Nafanua	34	480.7	33	641.1	33	-2.5%	
Apia	25	369.3	38	529.6	37	4.4%	43.5%
Faleolo	26	281.9	38	422.4	36	1.8%	42.0%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Apia	5	267	53	430	42		

Summary Statements

Rainfall for June 2014: “**Below Normal**” rainfall was recorded for Afiamalu, Apia and Nafanua stations. “**Normal**” rainfall was recorded for Faleolo Station

Accumulated rainfall for April to June 2014, including outlook verification:

The three monthly total rainfall for all stations were “**Normal**” except Apia Station which was “**Above Normal**”.

“**Near Consistent**” forecast was issued for Apia and Faleolo Stations whereas “**Consistent**” prediction was issued for Afiamalu and Nafanua Stations.

Outlooks for August to October 2014:

1. SCOPIC: The seasonal rainfall outlook for August to October 2014 shows:

- The most likely outcome for Afiamalu is ‘**Above normal**’, with ‘**Normal**’ and ‘**Below normal**’ the next most likely;
- The most likely outcome for Apia and Faleolo is ‘**Normal**’, with ‘**Above normal**’ the next most likely;
- Little guidance for the coming season for Nafanua, as the chances of ‘**above-normal**’, ‘**normal**’ and ‘**below-normal**’ are similar.

2. POAMA: ‘**Normal**’ rainfall is the most likely outcome for Apia during August – October 2014 period with ‘**above normal**’ the next most likely.

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: $X \geq 35$