

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

**Country Name:** Samoa

### 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
Afiamalu (1967-2013)	631.4	1664.7	589.4	397.6	692.8	518.2	36/60
Nafanua (1965-2013)	536.0	1188.2	336.7	302.9	467.5	397.2	16/42
Apia (1890-2013)	497.8	965.1	331.3	269.7	402.5	342.9	61/125
Faleolo (1957-2013)	374.8	496.3	273.3	186.7	277.3	235.6	34/53

### 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?)
Afiamalu	2885.5	1379.7	1921.4	1927.0	50/57	31/ <b>37</b> /32 (14.6)	Near Consistent
Nafanua	2060.9	1079.7	1472.0	1322.3	32/38	26/ <b>42</b> /32 (30.2)	Near Consistent
Apia	1794.2	956.9	1200.8	1137.0	117/124	30/ <b>37</b> /33 (12.5)	Near Consistent
Faleolo	1144.4	762.4	921.4	749.8	44/51	33/34/33 (2.2)	Near Consistent

Period: \*below normal/normal/above normal

**Predictors and Period used for November 2013 to January 2014 Outlooks (refer to OCOF #73): SOI Values from August to 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 values from Dec 2013 to Feb 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	47	840.8	53		1.1%	50.0%
Nafanua	48	644.8	52		1.0%	48.8%
Apia	49	534.8	51		-0.2%	50.0%
Faleolo	48	396.7	52		-1.1%	42.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	30	726.9	38	999.1	32	2.2%	44.6%
Nafanua	30	505.8	36	735.1	34	-0.2%	43.9%
Apia	32	454.4	34	644.3	34	-0.9%	25.0%
Faleolo	32	343.4	34	458.3	34	-2.3%	6.0%

**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)		
Apia	52	620	43	899	5		

## Summary Statements

**Rainfall for February 2014: 'Normal'** rainfall was recorded at all stations.

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

The 3-monthly total rainfall was "**Above normal**" for all stations.

"**Near consistent**" forecast was issued for the above mention period at all stations.

### **Outlooks for April-June 2014:**

**1. SCOPIIC:** The seasonal rainfall outlook for April-June 2014 shows:

- The most likely outcome for Afiamalu 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; and
- Equal chances of normal and above-normal for Apia and Faleolo, with below-normal as the least likely category.

**2. POAMA: 'Below-normal'** is the most likely outcome for Apia during the April - June 2014 period, with 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:  $X \geq 35$