

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 86

**Country Name: SAMOA**

### TABLE 1: Monthly Rainfall

Station (include data period)	October 2014						
	August 2014 Total	September 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
<b>Afiamalu</b>	188.2	107.6	189.7	230.6	393.9	318.9	17/58
<b>Nafanua</b>	62.7	69.8	175.4	171.1	317.3	243.7	16/45
<b>Apia</b>	48.5	54.5	169.9	141.2	248.6	175.5	40/92
<b>Faleolo</b>	100.3	50.4	143.5	123.0	203.8	155.2	21/45

### TABLE 2: Three-monthly Rainfall August to October 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #82]

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?)
<b>Afiamalu</b>	485.5	550.7	820.5	691.0	16/55	31/31/38 (1.0)	<b>Inconsistent</b>
<b>Nafanua</b>	307.9	480.7	641.1	572.6	11/44	34/33/33 (-2.5)	<b>Near Consistent</b>
<b>Apia</b>	272.9	369.3	529.6	440.3	20/91	25/38/37 (4.4)	<b>Near Consistent</b>
<b>Faleolo</b>	294.2	281.9	422.4	363.6	18/44	26/38/36 (1.8)	<b>Consistent</b>

Period: \*below normal/normal/above normal

**Predictors and Period used for August to October 2014 Outlooks (refer to OCOF #82):  
SOI Values from April to June 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  
December 2014 to February 2015**

**Predictors and Period used: Nino 3.4 Values of August to October 2014**

Station	<b>Below Median (prob)</b>	Median Rainfall (mm)	<b>Above Median (prob)</b>		<b>LEPS</b>	<b>Hit-rate</b>
<b>Afiamalu</b>	60	1924.8	40		16.4	68.8
<b>Nafanua</b>	60	1257.3	40		19.6	74.1
<b>Apia</b>	57	1069.6	43		6.8	59.4
<b>Faleolo</b>	57	869.0	43		4.3	59.3

Station	<b>Below Normal (prob)</b>	33%ile rainfall (mm)	<b>Normal (prob)</b>	66%ile rainfall (mm)	<b>Above Normal (prob)</b>	<b>LEPS</b>	<b>Hit-rate</b>
<b>Afiamalu</b>	40	1621.3	40	2195.6	20	11.5	40.6
<b>Nafanua</b>	<b>40</b>	1078.3	39	1535.8	21	17.5	44.4
<b>Apia</b>	<b>39</b>	898.9	32	1240.3	29	10.4	43.8
<b>Faleolo</b>	<b>36</b>	713.9	35	960.6	29	-1.4	33.3

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
December 2014 to February 2015**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Apia	33	892	44	1361	24		

### Summary Statements

#### **Rainfall for October 2014:**

'Normal' rainfall registered for Nafanua, Apia and Faleolo while Afiamalu station recorded '**below normal**' rainfall.

#### **Accumulated rainfall for August to October 2014, including outlook verification:**

Afiamalu, Nafanua and Apia stations registered '**below normal**' rainfall while Faleolo station received '**normal**' in August to October 2014 period.

Nafanua and Apia three-month rainfall was '**near consistent**' with the August to October outlook. Faleolo was '**consistent**' and Afiamalu recorded '**inconsistent**'.

#### **Outlooks for December 2014 to February 2015:**

##### **1. SCOPIC:**

- For Nafanua and Afiamalu stations there is a near equal likelihood of '**below normal**' or '**normal**' rainfall with '**above normal**' the least likely.
- The outlook for Apia and Faleolo stations show similar chances of '**below normal**', '**normal**' and '**above normal**' rainfall.
- The confidence of the model outlook is '**good**' for Afiamalu and Apia stations. '**high**' at Nafanua and '**very low**' at Faleolo station.

##### **2. POAMA: 'Normal' rainfall is favoured for Apia for December 2014 to February 2015 period.**

**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:  $X \geq 35$