

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 74

**Country Name: Samoa**

### TABLE 1: Monthly Rainfall

Station (include data period)			October 2013				
	August 2013 Total	September 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu (1967-2013)	403.8	152.1	244.4	245.4	414.2	331.2	20/60
Nafanua (1965-2013)	411.5	160.1	152.1	187.6	352.7	245.1	10/42
Apia (1890-2013)	262.8	120.8	159.1	143.5	204.6	185.0	48/124
Faleolo (1957-2013)	220.2	101.6	100.9	125.9	191.8	155.3	13/52

### TABLE 2: Three-monthly Rainfall August to October 2013

[Please note that the data used in this verification should be sourced from table 3 of OCOF #70]

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	800.3	544.8	834.4	688.3	35/58	30/28/42 (0.9)	Near Consistent
Nafanua	723.7	376.2	615.9	571.9	31/41	35/37/28 (-2.1)	Near Consistent
Apia	542.7	367.6	529.1	440.2	90/124	21/42/37 (4.2)	Near Consistent
Faleolo	422.7	281.8	421.8	351.8	34/50	23/41/36 (0.9)	Near Consistent

Period: \*below normal/normal/above normal

**Predictors and Period used for July to September 2013 Outlooks (refer to OCOF #70):  
SOI Values from April to June 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  
December 2013 to February 2014**

**Predictors and Period used: SOI values from August-October**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	50	1927.0	50		11.5%	71.4%
Nafanua	50	1322.3	50		23.7%	75.7%
Apia	48	1137.0	52		10.6%	64.2%
Faleolo	50	749.8	50		5.1%	58.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	31	1379.7	37	1921.4	32	14.6%	48.2%
Nafanua	26	1079.7	42	1472.0	32	30.2%	56.8%
Apia	30	956.9	37	1200.8	33	12.5%	44.7%
Faleolo	33	762.4	34	921.4	33	2.2%	38.0%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for  
December 2013 to February 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
APIA	23	892	27	1361	50		

## Summary Statements

**Rainfall for October 2013:** 'Normal' rainfall was recorded at Apia Station but 'Below Normal' rainfall was observed at Afiamalu, Faleolo and Nafanua.

### **Accumulated rainfall for August–October 2013, including outlook verification:**

The 3-monthly total rainfall was 'Above-Normal' for 3/4 stations namely Nafanua, Apia and Faleolo. Afiamalu registered 'Normal' rainfall.

"Near Consistent" forecast was issued for all stations.

### **Outlooks for December 2013 – February 2014:**

**1. SCOPIC:** 'Normal' rainfall is forecast for the above period for the Samoa group.

**2. POAMA:** 'Above-normal' is forecast for December 2013 - February 2014 period for Apia (Samoa Islands).

**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:  $X \geq 35$