

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 77

Country Name: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	January 2014						
	November 2013 Total	December 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu (1967-2013)	400.2	631.4	1664.7	543.2	793.1	695.4	58/60
Nafanua (1965-2013)	215.7	536.0	1188.2	352.0	720.2	447.5	40/40
Apia (1890-2013)	162.9	497.8	965.1	355.8	489.1	399.8	122/125
Faleolo (1957-2013)	241.8	374.8	496.3	217.7	361.9	298.7	46/54

**TABLE 2: Three-monthly Rainfall
November 2013 to January 2014**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #73]

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	2696.3	1379.7	1921.4	1743.4	53/56	27/34/39 (13.4)	Consistent
Nafanua	1939.9	1079.7	1472.0	1239.1	34/38	19/40/41 (21.5)	Consistent
Apia	1625.8	956.9	1200.8	1055.4	116/124	27/36/37 (5.3)	Consistent
Faleolo	1112.9	673.9	861.4	749.8	47/52	29/35/36 (2.5)	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 July to September 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
March to May 2014**

Predictors and Period used: SOI values from Nov 2013 to Jan 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	56	1124.4	44		0.7%	57.9%
Nafanua	51	869.1	49		-2.6%	24.4%
Apia	54	763.2	46		0.2%	54.8%
Faleolo	52	536.2	48		-1.2%	52.9%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	30	958.5	40	1295.1	30	-1.3%	28.1%
Nafanua	33	801.9	37	1001.1	30	-2.6%	31.7%
Apia	30	658.0	38	832.6	33	0.0%	37.9%
Faleolo	38	477.3	31	616.3	31	-0.6%	21.6%

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for
March to May 2014**

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Apia	39	620	9	899	52		

Summary Statements

Rainfall for January 2014: 'Above normal' rainfall was recorded at all climate stations. Nafanua registered its wettest January in its overall data records.

Accumulated rainfall for November 2013 to January 2014, including outlook verification: The 3-monthly total rainfall was "**Above normal**" for Apia, Afiamalu, Nafanua and Faleolo.

"**Consistent**" forecast was issued for the above mention period.

Outlooks for March-May 2014:

1. SCOPIC: For the above period,

'Below **Normal**' rainfall is forecast for Faleolo station

'**Normal**' is forecast for Apia, Nafanua and Afiamalu station.

2. POAMA: 'Above-normal' is forecast for March - May 2014 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: $X \geq 35$