

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 80

Country Name: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	April 2014						
	February 2014 Total	March 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu (1967-2013)	589.4	443.0	393.1	272.1	386.7	324.0	41/59
Nafanua (1965-2013)	336.7	291.2	271.5	175.1	306.1	237.5	25/44
Apia (1890-2013)	331.3	309.2	296.3	177.8	265.4	220.4	91/125
Faleolo (1957-2013)	273.3	275.9	170.1	139.2	185.7	157.8	34/53

**TABLE 2: Three-monthly Rainfall
February to April 2014**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #76]

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	1425.5	1155.3	1549.2	1416.2	30/57	31/35/34 (-0.6)	Consistent
Nafanua	899.4	928.9	1127.4	1056.2	11/42	31/35/34 (-0.3)	Near Consistent
Apia	936.8	802.3	1017.0	924.8	66/125	31/34/35 (1.0)	Near Consistent
Faleolo	719.8	587.3	687.1	625.4	39/53	34/33/33 (-2.2)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for February to April 2014 Outlooks (refer to OCOF #76): SOI Values from Oct to Dec 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
June to August 2014**

Predictors and Period used: SOI values from February to April 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	52	601.1	48		4.2%	51.8%
Nafanua	50	414.4	50		-2.4%	28.6%
Apia	49	350.9	51		-0.7%	50.8%
Faleolo	51	294.9	49		-0.8%	60.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	34	505.7	32	669.9	34	6.9%	41.1%
Nafanua	34	296.8	32	502.6	34	-2.6%	19.0 %
Apia	33	255.7	34	416.0	33	-0.9%	16.1 %
Faleolo	34	213.6	33	368.2	33	-2.5%	32.0 %

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Apia	27	388	67	530	6		

Summary Statements

Rainfall for April 2014: 'Above average' rainfall was registered at Afiamalu and Apia. 'Average' rainfall was recorded at Nafanua and Faleolo.

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

The 3-monthly total rainfall was "Above normal" for Faleolo station. "Normal" rainfall was recorded at Afiamalu and Apia. Nafanua's rainfall was "Below Normal".

"Consistent" forecast was issued for Afiamalu and elsewhere was "Near consistent".

Outlooks for June-August 2014:

1. SCOPIC: The seasonal rainfall outlook for June-August 2014 shows little guidance for the coming season for all stations, as the chances of above-normal, normal and below-normal are similar.

2. POAMA: 'Normal' rainfall outcome has a high chance of occurrence for Apia during the June - August 2014 period, with 'below normal' the next likely category.

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: $X \geq 35$