

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 72

Country Name: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)			August 2013				
	June 2013 Total	July 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu (1967-2013)	270.4	198.6	403.8	88.2	202.3	157.9	55/59
Nafanua (1965-2013)	196.5	198.7	411.5	68.0	118.6	84.4	42/42
Apia (1890-2013)	161.6	163.8	262.8	60.5	130.4	84.0	115/124
Faleolo (1957-2013)	163.9	91.3	220.2	57.6	111.3	91.9	47/52

**TABLE 2: Three-monthly Rainfall
June to August 2013**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #68]

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	872.8	504.3	660.2	593.0	48/56	24/ 38 / 38 (7.8)	Near Consistent
Nafanua	806.7	295.3	491.0	413.4	41/42	33/ 34 / 33 (-3.5)	Near Consistent
Apia	588.2	252.8	410.0	345.0	115/124	34 / 33 / 33 (-0.9)	Near Consistent
Faleolo	475.4	210.5	359.9	292.5	45/50	33/ 33 / 34 (-2.5)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for June to August 2013 Outlooks (refer to OCOF #68): SOI Values from February to April 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
October to December 2013**

Predictors and Period used: SOI values from June-August

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	37	1244.6	63		7.0%	58.9%
Nafanua	25	903.3	75		23.7%	71.1%
Apia	40	817.7	60		4.7%	54.5%
Faleolo	40	602.5	60		3.5%	62.0%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	22	1111.4	35	1505.1	43	5.1%	41.1%
Nafanua	18	776.6	30	1036.9	52	13.6%	50.0%
Apia	24	711.9	32	905.2	44	6.7%	45.5%
Faleolo	24	528.9	28	674.7	48	5.3%	42.0%

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

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
APIA	23	713	30	865	47		

Summary Statements

Rainfall for August 2013: 'Above normal' rainfall was recorded at our climate stations namely Apia, Afiamalu, Faleolo and Nafanua

Accumulated rainfall for June–August 2013, including outlook verification:

The 3-monthly total rainfall was '**Above-Normal**' for all stations.

"**Near consistent**" forecast for 4 out of 4 stations i.e. Apia, Nafanua, Afiamalu and Faleolo.

Outlooks for October–December 2013:

1. SCOPIC: 'Above-normal' rainfall is forecast for the above period for the Samoan region.

2. POAMA: 'Above-normal' is forecast for Oct-Dec 2013 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: $X \geq 35$