Pacific Islands - Online Climate Outlook Forum (OCOF) No. 84

Country Name: SAMOA

TABLE 1: Monthly Rainfall

Station (include data period)			August 2014				
	June 2014 Total	July 2014 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu	97.3	261.8	188.2	84.4	195.8	144.6	36/56
Nafanua	92.3	141.1	62.7	64.4	130.2	82.4	15/45
Apia	46.8	122.2	48.5	60.8	136.2	87.2	27/91
Faleolo	74.6	74.3	100.3	35.6	120.6	71.7	28/45

TABLE 2: Three-monthly Rainfall
June to August 2014

[Please note that the data used in this verification should be sourced from table 3 of OCOF #80]

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	547.3	505.7	669.9	601.1	27/55	34/32/34 (6.9)	**Near Consistent**
Nafanua	296.1	296.8	502.6	414.4	16/44	34/32/34 (-2.6)	**Near Consistent**
Apia	217.5	255.7	416.0	350.9	22/91	33/34/33 (-0.9)	**Near Consistent**
Faleolo	249.2	213.6	368.2	294.9	20/42	34/33/33 (-2.5)	**Near Consistent**

Period:*below normal/normal/above normal

Predictors and Period used for June to August 2014 Outlooks (refer to OCOF #79):
Nino 3.4 value from February to April 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 October to December 2014

Predictors and Period used: Nino 3.4 value from June to August 2014

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	63	1249.3	37		20.3%	68.8%
Nafanua	59	899.4	41		15.5%	59.3%
Apia	56	811.1	44		5.8%	59.4%
Faleolo	62	576.6	38		15.5%	74.1%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	38	1098.1	38	1386.8	24	5.2%	46.9%
Nafanua	39	762.7	**40**	965.8	21	7.9%	48.1%
Apia	**38**	684.2	34	892.0	28	5.4%	34.4%
Faleolo	39	542.9	39	654.9	22	4.7%	14.8%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Apia	24	497	21	679	**55**		

Summary Statements

Rainfall for August 2014:
"Normal" rainfall was recorded in both of Afiamalu and Faleolo stations. Nafanua and Apia stations registered **"below normal"** rainfall.

Accumulated rainfall for June to August 2014, including outlook verification:
"Normal" rainfall was recorded for Afiamalu and Faleolo stations whereas Apia and Nafanua stations registered **"below normal"** for June to August period.

"Near Consistent" was the outlook verification for all four (4) rainfall stations.

Outlooks for October to December 2014:
1. SCOPIC:
-For Afiamalu and Faleolo the chances of "**below normal**" and "**normal**" are similar with "**above normal**" the next most likely.
- "**Normal"** rainfall is favoured for Nafanua station with **"below normal"** the next most likely.
-The chances of **"below normal"**, **"normal"** and **"above normal"** rainfall for Apia are similar.
- The confidence of the model outlook is **"moderate"** for all rainfall stations with an exception of Faleolo station which scores **"low"** skills.

2. POAMA: "Above normal" is favoured for Apia for October to December 2014 period.

NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0 Low: 0 ≤ X < 5 Moderate 5 ≤ X < 10 Good: 10 ≤ X < 15 High: 15≤ X < 25

Very High: 25 ≤X < 35 Exceptional: X ≥ 35