Pacific Islands - Online Climate Outlook Forum (OCOF) No. 73

Country Name: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)			September 2013				
	July 2013 Total	August 2013 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu (1967-2013)	198.6	403.8	152.1	119.6	235.9	164.8	29/59
Nafanua (1965-2013)	198.7	411.5	160.1	105.4	179.2	157.0	22/41
Apia (1890-2013)	163.8	262.8	120.8	95.5	176.6	126.0	60/124
Faleolo (1957-2013)	91.3	220.2	101.6	58.7	117.8	83.9	31/51

TABLE 2: Three-monthly Rainfall
July to September 2013
[Please note that the data used in this verification should be sourced from table 3 of OCOF #69]

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	754.5	461.0	686.9	588.6	46/58	26/**40**/34 (-0.6)	**Near Consistent**
Nafanua	770.3	324.2	511.6	386.6	39/41	34/**40**/26 (-2.3)	**Near Consistent**
Apia	547.4	251.9	423.3	347.0	110/124	31/**35**/34 (-0.5)	**Near Consistent**
Faleolo	413.1	213.5	359.3	284.8	37/49	34/31/**35** (-2.6)	**Consistent**

Period:*below normal/normal/above normal

Predictors and Period used for July to September 2013 Outlooks (refer to OCOF #69):
SOI Values from March to May 2013

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* 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 November 2013 to January 2014

Predictors and Period used: SOI values from July-September

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	41	1743.4	59		14.2%	70.9%
Nafanua	36	1239.1	64		32.9%	67.6%
Apia	42	1055.4	58		9.0%	60.2%
Faleolo	45	749.8	55		3.7%	58.8%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	67%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	27	1379.7	34	1921.4	**39**	13.4%	50.9%
Nafanua	19	1079.7	40	1472.0	**41**	21.5%	48.6%
Apia	27	956.9	36	1200.8	**37**	5.3%	40.7%
Faleolo	29	673.9	35	861.4	**36**	2.5%	39.2%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for November 2013 to January 2014

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
APIA	10	935	23	1213	**67**		

Summary Statements

Rainfall for September 2013: 'Normal' rainfall was recorded at our climate stations namely Apia, Afiamalu, Faleolo and Nafanua

Accumulated rainfall for July–September 2013, including outlook verification:
The 3-monthly total rainfall was '**Above-Normal**' for all stations.
"**Consistent**" forecast issued for Faleolo station. "**Near consistent**" forecast for 3 out of 4 stations i.e. Apia, Nafanua, Afiamalu.

Outlooks for November 2013 – January 2014:
1. SCOPIC: 'Above-normal' rainfall is forecast for the above period for the Samoa group.

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

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