Pacific Islands - Online Climate Outlook Forum (OCOF) No. 96

Country Name: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)			August 2015				
	June 2015 Total	July 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu	206.1	145.1	180.8	89.8	204.5	167.8	34/62
Nafanua	100.6	9.5	101.6	67.8	122.9	84.4	27/44
Apia	112.4	4.6	62.5	60.1	130.6	84.0	44/126
Faleolo	27.9	41.3	26.7	61.5	112.1	92.8	10/54

TABLE 2: Three-monthly Rainfall
June to August 2015

[Please note that the data used in this verification should be sourced from table 3 of OCOF #92]

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	532.0	507.6	669.2	607.3	25/60	**51**/36/13 (13.9)	Near consistent
Nafanua	211.7	296.1	501.8	413.4	7/44	**43**/26/31 (0.3)	Consistent
Apia	179.5	249.9	413.0	345.0	15/126	**36**/32/32 (-3.8)	Consistent
Faleolo	95.9	216.6	364.0	292.5	3/52	**43**/34/23 (2.4)	Consistent

Period:*below normal/normal/above normal

Predictors and Period used for June to August 2015 Outlooks (refer to OCOF #92):

Nino 3.4 value from February to April 2015

*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 2015

Predictors and Period used : Nino 3.4 value from June to August 2015 period.

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	88	1258.3	12		13.8%	72.7%
Nafanua	89	900.8	11		14.4%	66.7%
Apia	60	817.7	40		-2.2%	57.6%
Faleolo	84	611.6	16		4.6%	64.3%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	**64**	1160.5	28	1412.6	8	7.0%	39.4%
Nafanua	48	774.2	48	1022.5	4	12.1%	44.4%
Apia	**57**	716.8	27	899.5	16	1.6%	36.4%
Faleolo	39	537.8	**40**	693.7	21	-2.3%	25.0%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Apia	**79**	713	5	865	16		

Summary Statements

Rainfall for August 2015: "Normal" rainfall was recorded at Afiamalu,Nafanua and Apia except Faleolo station observed **"below normal"** rainfall.

Accumulated rainfall for June to August 2015, including outlook verification:
"Normal "accumulated rainfall recorded at Afiamalu whereas Nafanua, Apia and Faleolo station received "**below normal"** rainfall.

The outlook verification was **"near consistent"** for Afiamalu for the June to August period. Nafanua, Apia and Faleolo recorded **"consistent".**

Outlooks for October to December 2015:

1. **SCOPIC:**

- The outlook for Afiamalu and Apia favours **"below normal"** with **"normal"** the next most likely.
- Nafanua and Faleolo stations shows a near equal likelihood of **"normal"** and **'below normal"** rainfall. **"Above normal"** rainfall is the least likely.
- The confidence of the model is ranges from **"good"** to **"very low".**

2. POAMA:

- **"Below normal"** rainfall is favoured for Apia station in the coming season.

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			