Pacific Islands - Online Climate Outlook Forum (OCOF) No. 118

Country Name: SAMOA

TABLE 1: Monthly Rainfall

Station (include data period)			June 2017				
	April 2017 Total	May 2017 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Afiamalu	478.5	1007.9	354.2	135.0	226.1	166.7	57/64
Nafanua	440.5	951.5	206.9	103.5	141.2	118.7	46/56
Apia	318.8	882.2	162.4	86.0	147.1	114.8	94/128
Faleolo	311.5	420.4	145.0	58.0	109.3	76.8	39/46

TABLE 2: Three-monthly Rainfall
April to June 2017

[Please note that the data used in this verification should be sourced from table 3 of OCOF #114)

Period:*below normal/normal/above normal

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	1840.6	752.3	952.4	847.5	62/63	30/**37**/33 (-1.7)	Near Consistent
Nafanua	1598.9	509.4	735.1	658.8	45/45	28/**40**/32 (-0.2)	Near Consistent
Apia	1363.4	455.0	648.0	539.2	128/128	31/**36**/33 (-1.8)	Near Consistent
Faleolo	876.9	343.4	458.3	397.0	54/54	31/**37**/32 (-2.1)	Near Consistent

Predictors and Period used for April to June 2017 Outlooks (refer to OCOF #114):

Nino 3.4 indices from January to February 2017

*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 August to October 2017

Predictors and Period used: Nino 3.4 values of May to June 2017

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Afiamalu	58	718.4	42		-0.2%	56.4%
Nafanua	60	535.1	40		1.7%	56.8%
Apia	65	438.2	35		5.1%	64.2%
Faleolo	62	351.8	38		1.9%	56.6%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Afiamalu	**41**	589.2	35	826.5	24	0.6%	43.6%
Nafanua	**40**	457.8	28	611.1	32	-0.9%	40.9%
Apia	**45**	364.3	30	528.9	25	2.6%	35.8%
Faleolo	**47**	281.9	29	421.5	24	1.7%	43.4%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2017

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Apia	12	430	12	513	**76**		

Summary Statements

Rainfall for June 2017:

- ***'Above average'*** rainfall was observed in all stations.

Accumulated rainfall for April to June 2017, including outlook verification:

- ***'Above average'*** accumulated rainfall observed in all stations and they were all ***'near consistent'*** with the outlook. Nafanua, Apia and Faleolo had their wettest April to June periods on record, while Afiamalu had its second-wettest.

Outlooks for August to October 2017:

1. SCOPIC:

- The outlook for Afiamalu, Apia and Faleolo shows **'below average'** rainfall is the most likely outcome, with **'average'** the next most likely.
- At Nafanua **'below average'** rainfall is also the most likely outcome, but **'above average'** is the next most likely outcome for the coming season.
- The models confidence in the forecast is 'low to very low'

2. POAMA:

Apia favours **'above average'** rainfall for the next three months.

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			