

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 92

Country Name: SAMOA

TABLE 1: Monthly Rainfall

Station (include data period)	April 2015						
	February 2015 Total	March 2015 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Apia	348.6	314.4	165.9	179.5	268.3	220.7	39/126
Afiamalu	534.7	552.6	314.0	272.1	386.8	327.8	29/62
Faleolo	238.1	256.0	333.0	139.9	180.7	158.1	53/54
Nafanua	382.6	320	119.3	176.9	305.8	238.9	8/45

**TABLE 2: Three-monthly Rainfall
February to April 2015**

[Please note that the data used in this verification should be sourced from table 3 of OCOF #88]

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?)
Apia	828.9	776.1	958.2	865.1	46/126	40/34/26 (2.8)	Near Consistent
Afiamalu	1401.3	1231.8	1549.2	1419.2	28/60	37/30/33 (-3.4)	Near Consistent
Faleolo	827.1	578.4	719.3	633.9	48/54	28/30/42 (4.1)	Consistent
Nafanua	821.9	922.3	1082.2	983.6	7/43	40/34/26 (0.2)	Near Consistent

Period: *below normal/normal/above normal

Predictors and Period used for February to April 2015 Outlooks (refer to OCOF #88):

Nino 3.4 values from October to December 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 June to August 2015

Predictors and Period used: Nino 3.4 values from February to April 2015

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Apia	44	345.0	56		-1.2%	66.7%
Afiamalu	72	607.3	28		13.4%	62.5%
Faleolo	72	292.5	28		13.1%	64.3%
Nafanua	54	413.4	46		-2.5%	42.9%

Station	Below Normal (prob)	33%ile rainfall (mm)	Normal (prob)	66%ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Apia	36	249.9	32	413.0	32	-3.8%	3.0%
Afiamalu	51	507.6	37	669.2	13	13.9%	50.0%
Faleolo	43	216.6	34	364.0	23	2.4%	46.4%
Nafanua	43	296.1	27	501.8	31	0.3%	35.7%

TABLE 4: Seasonal Climate Outlooks using POAMA2 for June to August 2015

Station	Lower Tercile (prob)	33%ile rainfall (mm)	Middle Tercile (prob)	66%ile rainfall (mm)	Upper Tercile (prob)		
Apia	21	272.0	74	395.0	5		

Summary Statements

Rainfall for April 2015:

'Normal' rainfall was received at both Afiamalu and Nafanua stations. 'Below normal' rainfall was registered at Apia and 'above normal' was recorded at Faleolo.

Accumulated rainfall for February to April 2015, including outlook verification:

All stations recorded 'normal' accumulated rainfall with an exception of Faleolo station which recorded 'above normal' rainfall.

'Near consistent' was registered across all stations except Faleolo which recorded 'consistent' with the outlook.

Outlooks for June to August 2015:

1. SCOPIC:

- The outlook for Apia station offers little guidance as the chances of 'above normal', 'normal' and 'below normal' are similar.
 - The outlook for Afiamalu station favours 'below normal' rainfall for the coming season.
 - 'Below normal' rainfall is the most likely outcome for both Faleolo and Nafanua station.
- The confidence of the model is from 'low to good'.

2. POAMA:

"Normal" rainfall is favoured for the coming season for Apia station.

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: $X \geq 35$