

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 131

Country: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	May-2018	Jun-2018	Jul-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2018)	157.7	96.6	122.1	92.2	172.6	152.1	85/129
Afiamalu (1903-2018)	337.3	145.6	139.2	117.2	218.1	121.4	21/65
Nafanua (1965-2018)	237.2	93.1	121.0	105.0	175.5	153.2	24/47
Faleolo (1956-2018)	132.5	72.7	69.3	55.1	115.6	81.6	26/58

TABLE 2: Three-month Rainfall for May to July 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIIC forecast probabilities* based on NINO3.4 Month-Month 20xx				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Apia (1890-2018)	376.4	Normal	333.2	489.7	411.3	54/129	29	35	36	-1	Near-consistent
Afiamalu (1903-2018)	622.1	Below normal	628.5	839.0	732.9	21/64	21	39	40	5	Inconsistent
Nafanua (1965-2018)	451.3	Below normal	452.1	617.9	527.6	16/46	30	35	35	-3	Near-consistent
Faleolo (1956-2018)	274.5	Below normal	274.6	390.9	325.6	19/56	29	25	46	2	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2018
Predictor and Period used: NINO3.4 for June to July 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2018)	56	596.7	44		5	62
Afiamalu (1903-2018)	55	912.2	45		4	60
Nafanua (1965-2018)	55	677.8	45		2	58
Faleolo (1956-2018)	51	470.2	49		-2	54

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2018)	37	494.0	33	680.7	30	2	37
Afiamalu (1903-2018)	38	782.6	34	1093.5	28	4	46
Nafanua (1965-2018)	38	599.7	31	776.7	31	4	44
Faleolo (1956-2018)	36	402.7	33	521.9	31	0	32

TABLE 4: Seasonal Climate Outlooks using POAMA2 for September to November 2018

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Apia	12	497.0	5	679.0	83

SUMMARY STATEMENT

Rainfall for July 2018

Normal rainfall was recorded in all stations.

Accumulated rainfall for April to June 2018, including outlook verification:

Apia observed normal rainfall whereas all stations May to July 2018 total were below normal.

The rainfall outlook were near-consistent at Apia and Nafanua and consistent at Afiamalu and Faleolo.

Outlooks for September to November 2018:

1. SCOPIC:

The outlook for all stations offers little guidance as the chances of above-normal, normal and below-normal are similar.

The confidence of the model is very low.

2. POAMA

Above normal rainfall is favoured for the next three monthly period for Apia station.

Stakeholder Engagement- Evaluations of how effective we engage with stakeholders

Country	Date	Stakeholder	Total Number of Participants	Number of male	Number of female