Pacific Islands - Online Climate Outlook Forum (OCOF) No. 132

Country: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2018	Jul-2018	Aug-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2018)	96.6	122.1	74.0	61.6	132.2	84.2	57/129
Afiamalu (1903-2018)	145.6	139.2	259.3	91.9	220.0	174.8	49/65
Nafanua (1965-2018)	93.1	121.0	155.0	68.4	132.1	90.8	34/47
Faleolo (1956-2018)	72.7	69.3	39.5	61.5	119.1	93.5	13/57

TABLE 2: Three-month Rainfall for June to August 2018

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 March-April 2018				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Apia (1890-2018)	292.7	Normal	249.9	413.0	344.5	52/129	34	33	33	-1	Near-consistent
Afiamalu (1903-2018)	544.1	Normal	507.6	669.2	591.0	27/63	26	35	39	3	Near-consistent
Nafanua (1965-2018)	369.1	Normal	296.1	501.8	408.5	19/47	32	39	29	-2	Consistent
Faleolo (1956-2018)	181.5	Below normal	209.6	352.0	289.9	13/55	30	35	35	-1	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2018
Predictor and Period used: NINO3.4 for July to August 2018

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2018)	55	819.3	45		3	63
Afiamalu (1903-2018)	56	1271.6	44		6	67
Nafanua (1965-2018)	58	926.6	42		18	71
Faleolo (1956-2018)	54	634.3	46		2	66

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)	38	718.2	34	914.2	28	4	52
Afiamalu (1903-2018)	38	1161.7	31	1463.6	31	6	44
Nafanua (1965-2018)	37	786.5	36	1060.5	27	10	50
Faleolo (1956-2018)	35	553.2	36	717.5	29	1	40

TABLE 4: Seasonal Climate Outlooks using POAMA2 for October to December 2018

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Apia	18	713.0	5	865.0	77

Summary Statements

Rainfall for August 2018:

Above normal rainfall recorded at Afiamalu and Nafanua whereas Apia and Faleolo recorded *normal* and *below normal* rainfall respectively.

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

All stations received *normal* rainfall with an exception of Faleolo registering *below normal*.

The outlook verified *near consistent* at three stations and *consistent* at Nafanua station.

Outlooks for October to December 2018:

1. **SCOPIC:**
   The outlook offers little guidance for Apia, Afiamalu and Faleolo as the chances of above normal, normal and below normal are similar. The outlook for October to December 2018 for Nafanua shows a near-equal likelihood of below normal and normal rainfall. Above normal is the least likely.

   The confidence of the model ranges from low to good.

2. **POAMA:**
   Above normal rainfall is favoured for Apia station for the upcoming season.

Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

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

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