

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 130

Country: SAMOA

TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2018	May-2018	Jun-2018				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2018)	487.5	157.7	96.6	86.7	147.2	115.8	52/129
Afiamalu (1903-2018)	923.9	336.9	145.6	135.9	247.4	167.8	26/65
Nafanua (1965-2018)	563.9	386.2	93.1	104.9	151.4	119.4	13/47
Faleolo (1956-2018)	362.9	132.5	72.7	58.1	113.2	78.4	26/57

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities* based on NINO3.4 Jan-Feb 2018				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Apia (1890-2018)	741.8	Above normal	455.7	648.3	542.1	109/129	27	37	36	0	Near-consistent
Afiamalu (1903-2018)	1406.4	Above normal	753.0	963.7	852.7	60/64	25	41	34	1	Near-consistent
Nafanua (1965-2018)	1043.2	Above normal	512.8	746.4	672.9	39/46	25	44	31	1	Near-consistent
Faleolo (1956-2018)	568.1	Above normal	343.6	459.7	398.6	46/55	28	36	36	-1	Near-consistent

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

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2018)	50	439.2	50		0	52
Afiamalu (1903-2018)	50	720.7	50		-2	49
Nafanua (1965-2018)	51	549.1	49		-2	49
Faleolo (1956-2018)	53	363.5	47		9	59

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)	34	366.0	32	529.4	34	4	44
Afiamalu (1903-2018)	34	596.2	34	831.8	32	0	27
Nafanua (1965-2018)	34	464.8	34	603.1	32	-2	29
Faleolo (1956-2018)	34	282.1	34	422.1	32	6	43

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

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Apia	18	430.0	5	513.0	77

Summary Statements

Rainfall for June 2018: “All stations recorded Normal rainfall except for Nafanua Which received below normal rainfall in the month of June 2018”

Accumulated rainfall for April to June 2018, including outlook verification: Above normal rainfall was received across all stations. All stations outlook were verified to be ‘near consistent’.

Outlooks for August to October 2018:

- SCOPIC:** The outlook for all stations offers little guidance as the chances of “above- normal”, “normal” and “below-normal” are similar.
- POAMA:** “Above normal” rainfall is favoured for Apia for the next season.

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: $X \geq 35$