

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 156

Country: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2020	Jul-2020	Aug-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2020)	262.0	221.7	88.7	68.3	158.3	99.5	68/131
Afiamalu (1903-2020)	338.5	356.6	106.1	136.1	224.5	180.8	23/67
Nafanua (1965-2020)	319.5	266.7	68.1	68.2	134.8	90.8	17/49
Faleolo (1956-2020)	234.4	243.5	23.7	53.3	113.0	92.4	10/59

TABLE 2: Three-month Rainfall for June to August 2020

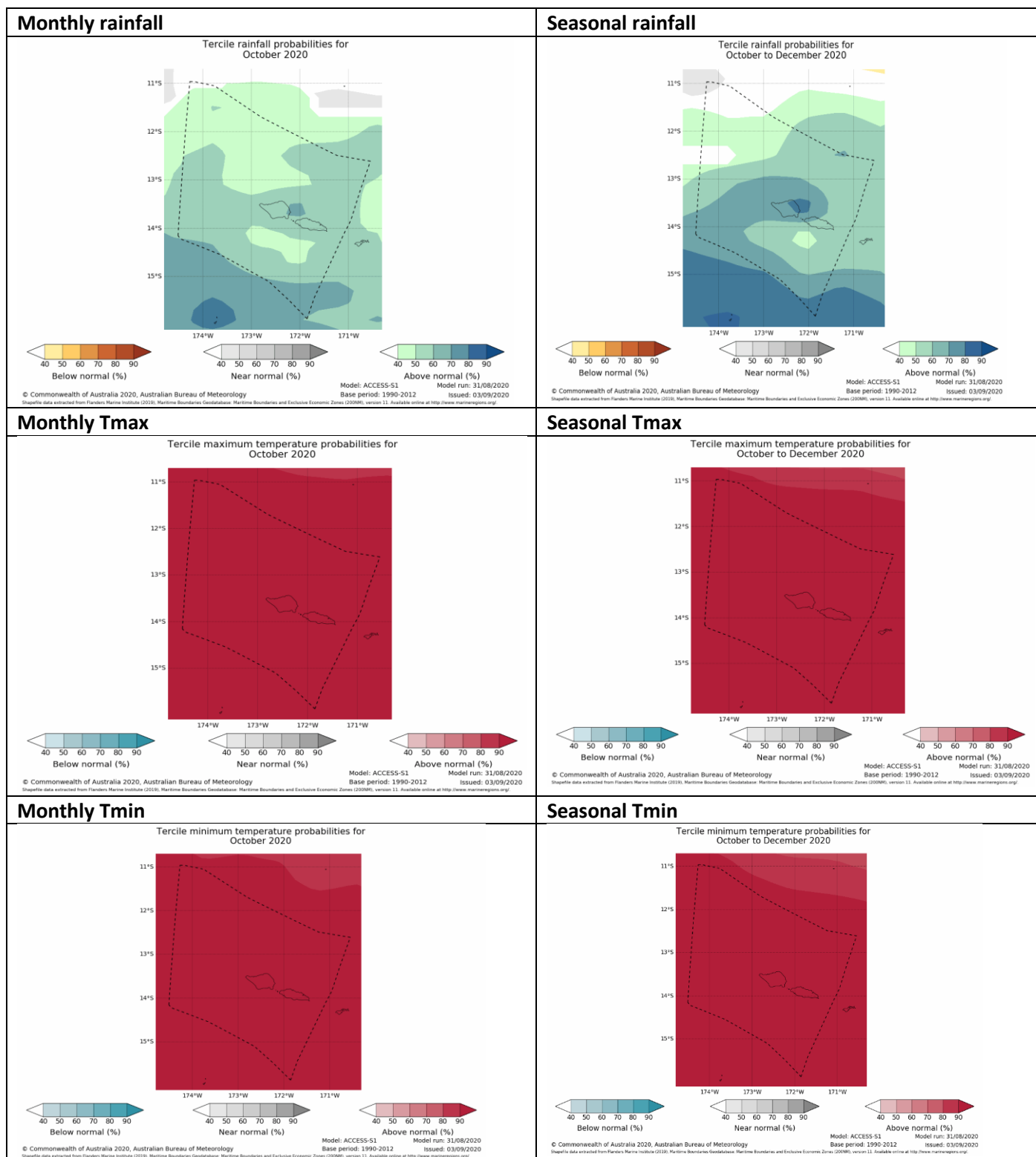
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 March-April 2020				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Apia (1890-2020)	572.4	Above normal	301.5	446.4	382.2	117/131	36	36	28	-1	Near-consistent
Afiamalu (1903-2020)	801.2	Above normal	517.5	670.9	607.3	50/65	44	27	29	2	Inconsistent
Nafanua (1965-2020)	654.3	Above normal	297.0	502.6	408.5	46/49	37	26	37	-2	Near-consistent
Faleolo (1956-2020)	501.6	Above normal	208.7	355.9	289.9	54/57	38	36	26	0	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for October to December 2020
Predictor and Period used: NINO3.4 for July to August 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2020)	46	819.8	54		2	61
Afiamalu (1903-2020)	43	1329.6	57		7	70
Nafanua (1965-2020)	40	952.0	60		11	68
Faleolo (1956-2020)	45	634.3	55		2	63

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 (1890-2020)	30	737.1	32	914.5	38	2	0
Afiamalu (1903-2020)	24	1212.5	38	1486.7	38	7	52
Nafanua (1965-2020)	25	807.2	34	1038.2	41	10	61
Faleolo (1956-2020)	32	549.3	30	715.8	38	2	11

Monthly and Seasonal Climate Outlooks using ACCESS-S for October to December 2020



Summary Statements

Rainfall for August 2020:

Below average rainfall was recorded for all stations, except for Apia, where *normal* rainfall was recorded.

Accumulated rainfall for June to August 2020, including outlook verification:

All stations recorded *above average* rainfall. Nafanua and Faleolo recorded their fourth wettest June - August on record. The outlook issued in May was verified to be Inconsistent at Afiamalu and Faleolo, and Near-Consistent at Apia and Nafanua.

Outlooks for October to December 2020:

1. SCOPIC:

The outlook for Nafanua shows *above normal* as the most likely outcome, with *normal* the next most likely. At Afiamalu, the outlook shows a near-equal likelihood of *above normal* and *normal* rainfall, with below normal being the least likely outcome for the October-December period. However, the outlook for Apia and Faleolo offers little guidance as the chances of *above normal*, *normal* and *below normal* are similar.

2. ACCESS-S:

Monthly rainfall: Above normal rainfall is favoured for Samoa in October.

Monthly maximum and minimum temperatures: Above normal temperatures are favoured across Samoa in October.

Seasonal rainfall: Above normal rainfall is favoured for Samoa in the upcoming three months.

Seasonal maximum and minimum temperatures: The seasonal October to December temperatures are favoured to be above normal across Samoa.

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: $X \geq 35$

Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: August 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Summary	31 st	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
Ocean Bulletin	31 st	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
Total			65	27	38