

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 155

Country: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	May-2020	Jun-2020	Jul-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2020)	216.4	262.0	221.7	89.2	143.8	103.6	122/131
Afiamalu (1903-2020)	242.4	338.5	356.6	146.7	258.1	209.4	55/69
Nafanua (1965-2020)	142.8	319.5	266.7	87.6	168.6	128.0	43/49
Faleolo (1956-2020)	85.7	234.4	243.5	53.2	103.4	75.7	59/60

TABLE 2: Three-month Rainfall for May to July 2020

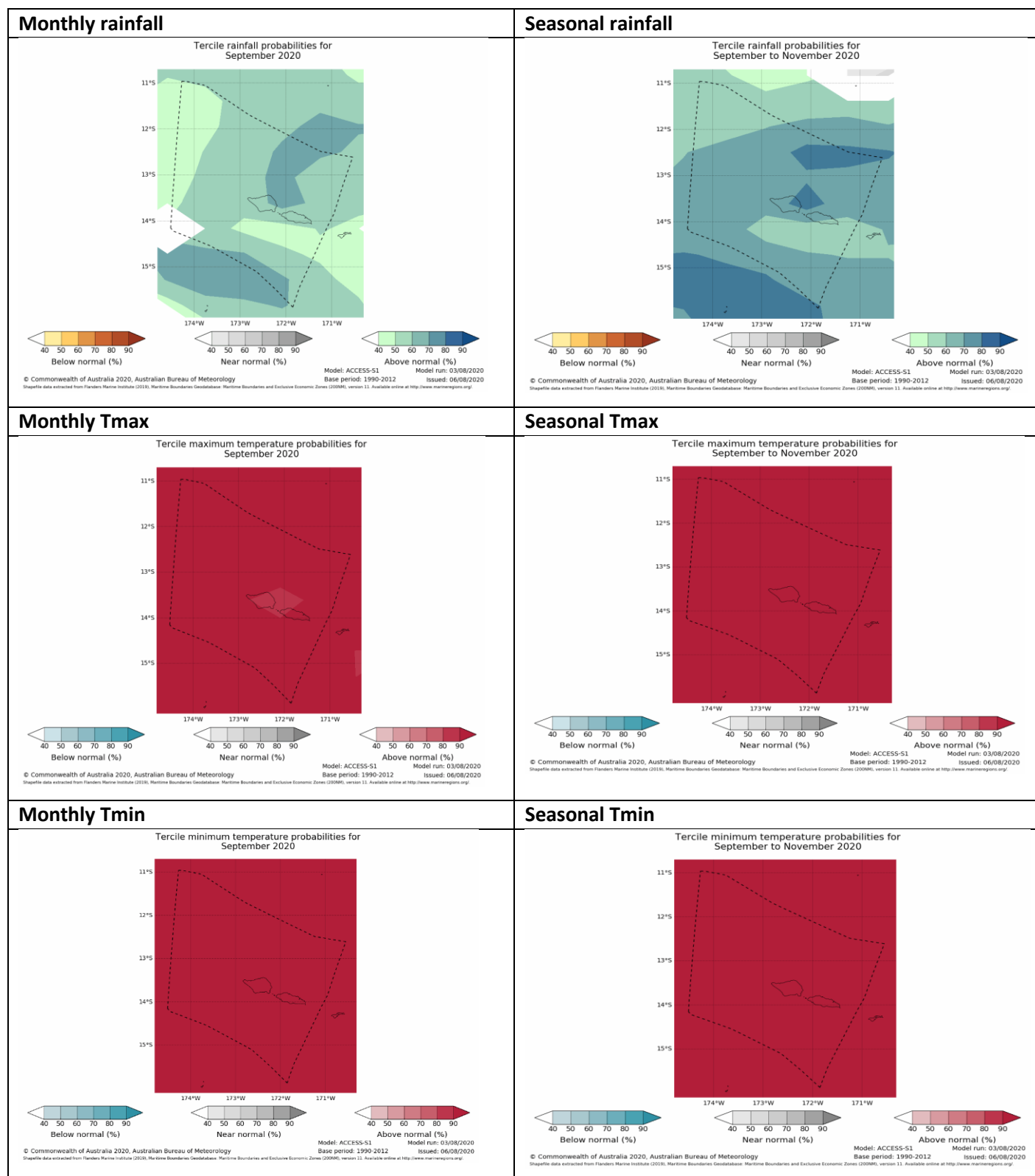
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 February-March 2020				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Apia (1890-2020)	700.1	Above normal	390.4	526.9	453.0	121/131	37	31	32	0	Inconsistent
Afiamalu (1903-2020)	937.5	Above normal	648.0	849.5	738.2	53/66	42	26	32	5	Inconsistent
Nafanua (1965-2020)	729.0	Above normal	456.2	634.1	527.6	39/48	34	32	34	-3	Near-consistent
Faleolo (1956-2020)	563.6	Above normal	274.6	391.5	325.6	53/58	35	39	26	1	Near-consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for September to November 2020
Predictor and Period used: NINO3.4 for June to July 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2020)	48	603.3	52		8	64
Afiamalu (1903-2020)	48	914.4	52		5	61
Nafanua (1965-2020)	48	672.4	52		2	55
Faleolo (1956-2020)	49	459.4	51		-1	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 (1890-2020)	32	496.1	34	684.4	34	4	39
Afiamalu (1903-2020)	33	798.2	33	1088.5	34	3	39
Nafanua (1965-2020)	30	592.5	35	756.4	35	4	38
Faleolo (1956-2020)	31	387.9	34	518.2	35	1	29

Monthly and Seasonal Climate Outlooks using ACCESS-S for September to November 2020



Summary Statements

Rainfall for July 2020: Above normal rainfall was recorded for all stations in July 2020. Faleolo station recorded its second wettest July on record, with Apia recording its tenth wettest.

Accumulated rainfall for May to July 2020, including outlook verification: All stations recorded above normal rainfall, with Faleolo registering its sixth wettest May to July rainfall, Nafanua its tenth wettest and Afiamalu its 11th wettest on record. The outlook issued in April was verified to be near-consistent at Faleolo and Nafanua, and inconsistent at Afiamalu and Apia.

Outlooks for September to November 2020:

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

2. ACCESS-S:

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

Monthly maximum and minimum temperature: September is favoured to be warmer than average across Samoa.

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

Seasonal maximum and minimum temperature: September to November is favoured to have above normal temperatures 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: July 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
PICASO training	29 th – 31 st	SPREP, MET colleagues	8	6	2
Climate Summary	04 th of August	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	04 th of August	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