

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 153

Country: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2020	Apr-2020	May-2020				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2020)	127.9	270.3	216.4	141.6	237.0	174.4	89/131
Afiamalu (1903-2020)	294.5	359.5	242.4	250.5	365.8	312.6	25/67
Nafanua (1965-2020)	100.9	270.2	142.8	187.5	262.0	209.0	9/49
Faleolo (1956-2020)	62.3	225.8	85.7	102.4	181.4	140.2	13/59

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

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 19-January 20				Verification: Consistent, Near-consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Apia (1890-2020)	614.6	Below normal	668.2	883.9	777.1	33/131	38	27	35	-1	Consistent
Afiamalu (1903-2020)	896.4	Below normal	1077.2	1299.8	1218.4	16/66	32	33	35	-1	Inconsistent
Nafanua (1965-2020)	513.9	Below normal	801.9	1021.2	875.1	6/48	37	25	38	-2	Inconsistent
Faleolo (1956-2020)	373.8	Below normal	487.7	624.7	546.9	8/58	32	34	34	-2	Near-consistent

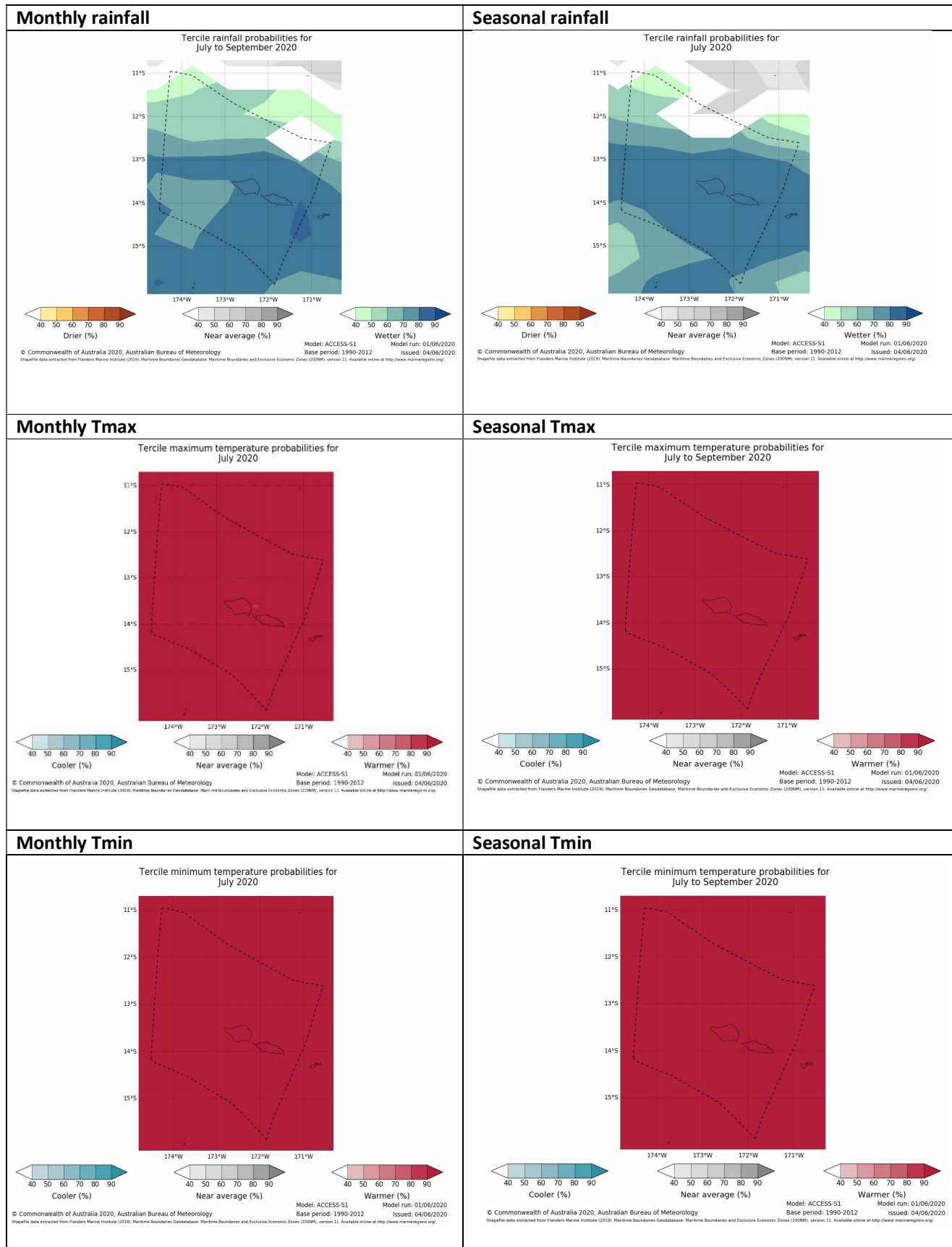
TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2020)	51	385.0	49		-1	34
Afiamalu (1903-2020)	53	611.6	47		0	48
Nafanua (1965-2020)	50	404.0	50		-2	32
Faleolo (1956-2020)	54	271.2	46		0	55

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)	34	270.9	34	439.8	32	-2	33
Afiamalu (1903-2020)	35	532.8	34	682.7	31	-2	14
Nafanua (1965-2020)	33	338.3	33	495.5	34	-3	4
Faleolo (1956-2020)	38	206.4	35	323.8	27	3	38

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

The maps are provided in the PowerPoint document labelled ACCESS-S outlooks_2020-05



Summary Statements

Rainfall for May 2020:

Below Normal rainfall was recorded at Afiamalu, Nafanua and Faleolo with Apia recording *Normal* rainfall.

Accumulated rainfall for March to May 2020, including outlook verification:

All four stations record *Below Normal* rainfall. The outlook was verified to be Consistent at Apia, Near-Consistent at Faleolo and Inconsistent at Afiamalu and Nafanua.

Outlooks for July to September 2020:

1. SCOPIC:

The outlook for Faleolo shows near-equal chances for *Below Normal* and *Normal* rainfall; *Above Normal* is the least likely. For Apia, Afiamalu and Nafanua, the outlook offers little guidance as the chances of *below normal*, *normal* and *above normal* rainfall are similar.

2. ACCESS-S:

Monthly rainfall: Wetter than average is favoured for Samoa in July.

Monthly maximum and minimum temperature: July is favoured to be warmer than average in Samoa.

Seasonal rainfall: Wetter than average is favoured for Samoa in the upcoming three months.

Seasonal maximum and minimum temperature: July-September is favoured to be warmer than average 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: May 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	27 th	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	27 th	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