

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 157

Country: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2020	Aug-2020	Sep-2020				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2020)	221.7	88.7	233.1	87.0	171.9	118.6	116/131
Afiamalu (1903-2020)	356.6	106.1	310.4	125.0	219.0	172.0	56/68
Nafanua (1965-2020)	266.7	68.1	348.2	99.6	173.2	149.6	44/48
Faleolo (1956-2020)	243.5	23.7	183.6	54.9	109.0	80.3	53/58

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

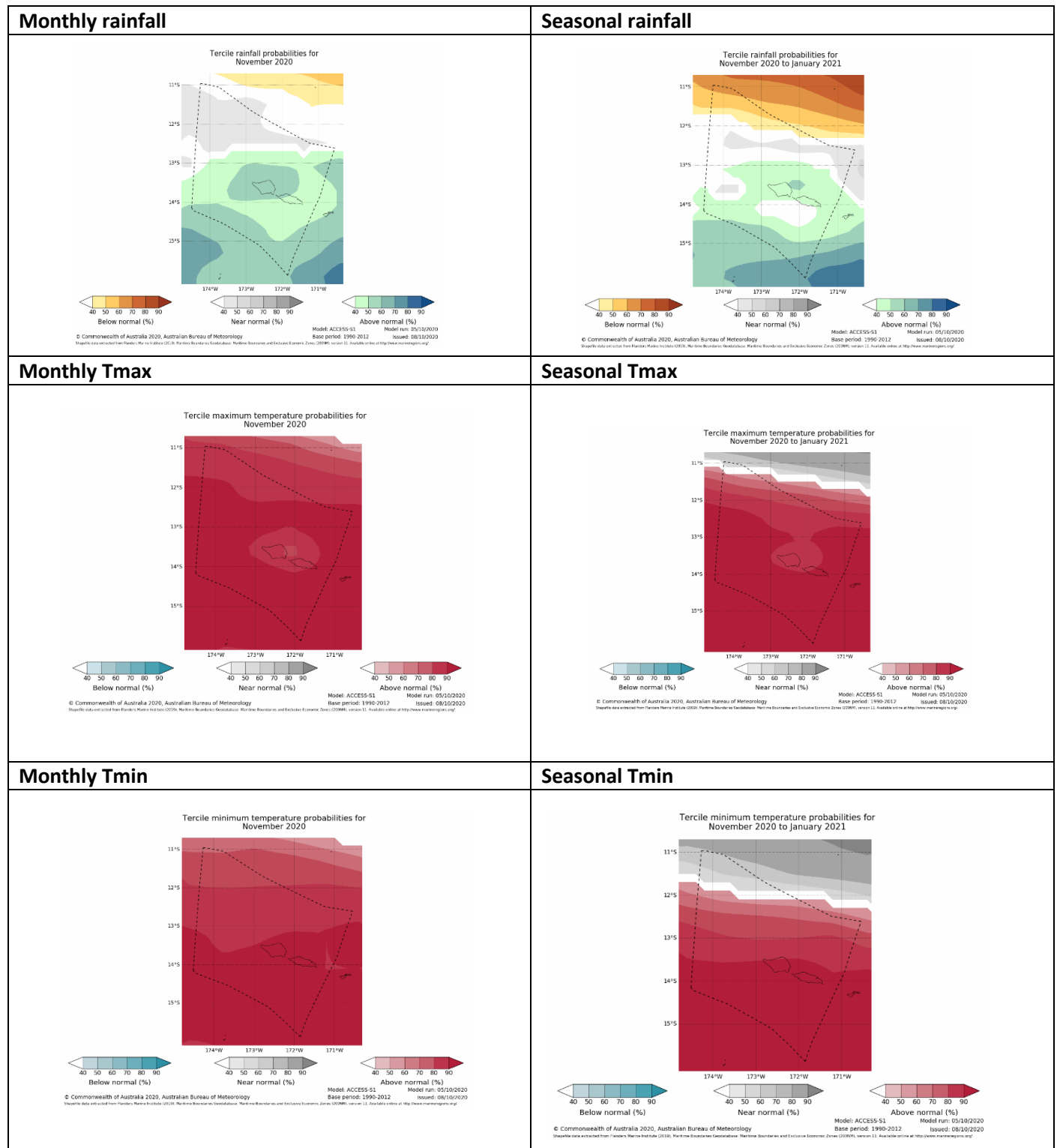
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 April-May 2020				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Apia (1890-2020)	543.5	Above normal	270.9	439.8	385.0	115/131	34	34	32	-2	Near-consistent
Afiamalu (1903-2020)	773.1	Above normal	532.8	682.7	611.6	53/66	35	34	31	-2	Inconsistent
Nafanua (1965-2020)	683.0	Above normal	338.3	495.5	404.0	45/48	33	33	34	-3	Near-consistent
Faleolo (1956-2020)	450.8	Above normal	206.4	323.8	271.2	48/56	38	35	27	3	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for November 2020 to January 2021
Predictor and Period used: NINO3.4 for August to September 2020

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2020)	45	1085.4	55		3	57
Afiamalu (1903-2020)	39	1814.3	61		9	66
Nafanua (1965-2020)	38	1337.2	62		12	70
Faleolo (1956-2020)	45	797.0	55		1	60

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)	26	950.5	35	1211.6	39	4	44
Afiamalu (1903-2020)	24	1525.3	31	2039.8	45	13	49
Nafanua (1965-2020)	13	1085.3	42	1481.1	45	17	58
Faleolo (1956-2020)	26	697.1	37	893.2	37	1	29

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for November 2020 to January 2021



Summary Statements

Rainfall for September 2020: *Above normal* rainfall was recorded for all stations. Nafanua registered its fifth wettest September on record, with Faleolo registering its sixth wettest.

Accumulated rainfall for July to September 2020, including outlook verification: All stations observed *above normal* rainfall, with Nafanua registering its fourth wettest July to September. The outlook issued in June was verified to be Near-Consistent at Apia and Nafanua, whereas Afiamalu and Faleolo were verified to be Inconsistent with the forecast.

Outlooks for November 2020 to January 2021:

1. **SCOPIC:** The outlook for Apia, Afiamalu and Nafanua shows *above normal* as the most likely outcome with *normal* the next most likely. *Below normal* is the least likely. For Faleolo, the outlook shows a near-equal likelihood of *above normal* and *normal* rainfall. *Below normal* is the least likely.

2. ACCESS-S:

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

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

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

Seasonal maximum and minimum temperatures: The seasonal November 2020 to December 2021 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: September 2020	Stakeholder	Total Number of Participants	Number of male	Number of female
Youth initiative workshop (Cocoa farming)	23 rd to the 25 th and 30 th to the 02 nd of October in Savaii	Youth Cocoa farmers in Savaii, Chamber of Commerce, UNDP and SPREP	54	36	18
Agro-Met Briefing	06 th of October	MAF, FAO, USP and Samoa MEt	8	6	2
Total			62	42	20