

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 166

Country: Samoa

TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2021	May-2021	Jun-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2021)	130.9	190.5	121.5	96.9	160.2	131.1	71/132
Afiamalu (1903-2021)	317.5	314.1	224.8	141.2	260.2	170.4	44/68
Nafanua (1965-2021)	207.8	200.0	132.6	104.9	154.3	120.2	29/50
Faleolo (1956-2021)	78.7	41.5	56.2	58.7	115.6	80.0	19/60

TABLE 2: Three-month Rainfall for April to June 2021

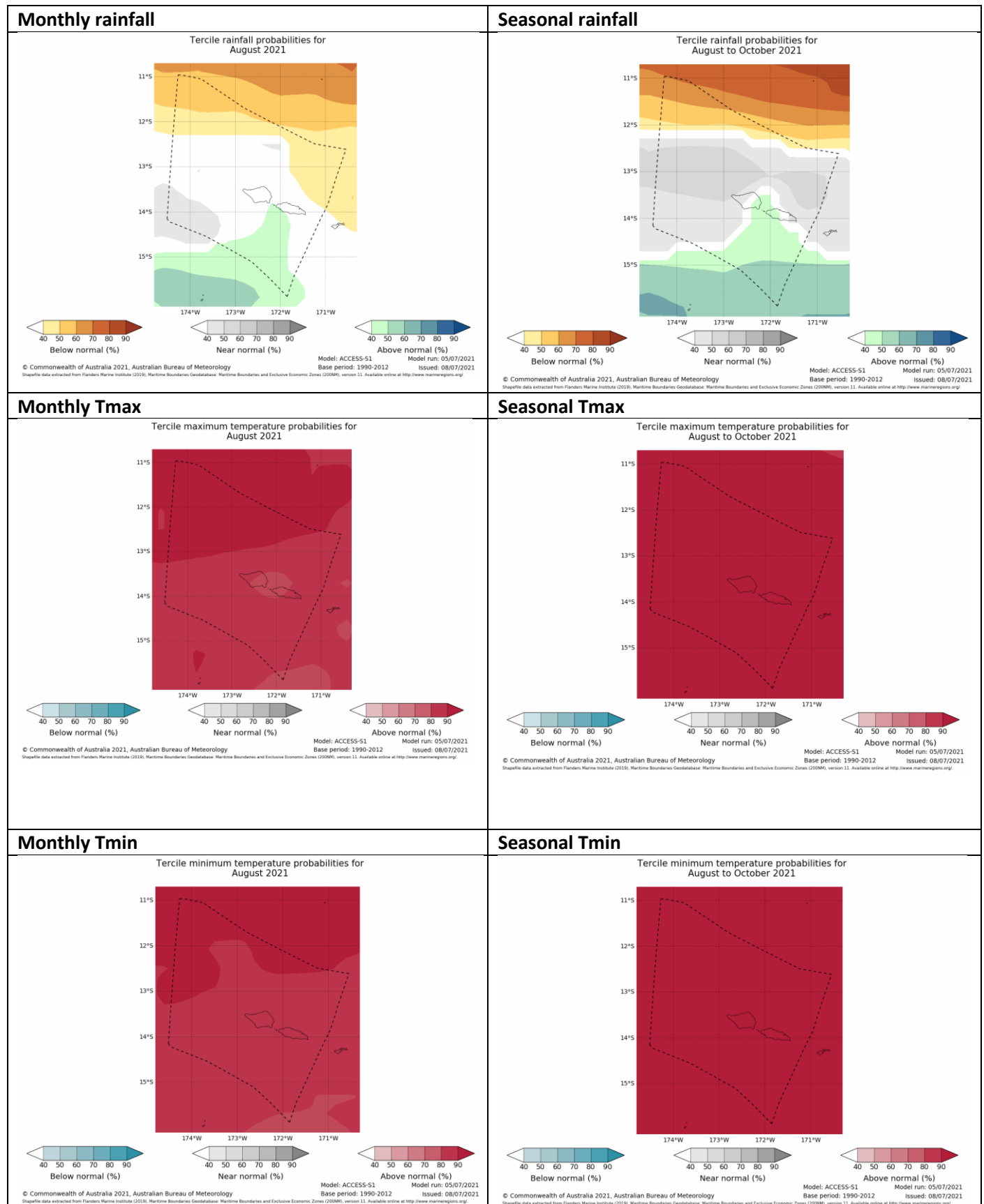
Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 January-February 2021				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Apia (1890-2021)	442.9	Below normal	480.2	667.7	568.0	38/132	24	38	38	1	Near- consistent
Afiamalu (1903-2021)	856.4	Normal	797.6	996.4	885.4	34/67	18	51	31	2	Consistent
Nafanua (1965-2021)	540.4	Below normal	563.6	746.4	686.6	17/49	21	47	32	1	Near- consistent
Faleolo (1956-2021)	176.4	Below normal	352.6	471.8	413.7	03/58	27	40	33	-1	Near- consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for August to October 2021**Predictor and Period used: NINO3.4 for May to June 2021**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Apia (1890-2021)	46	470.3	54		10	69
Afiamalu (1903-2021)	49	733.7	51		0	58
Nafanua (1965-2021)	47	535.1	53		3	63
Faleolo (1956-2021)	47	351.8	53		5	61

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 (1890-2021)	29	387.7	36	539.0	35	6	41
Afiamalu (1903-2021)	31	646.3	34	832.6	35	1	31
Nafanua (1965-2021)	31	464.8	34	603.1	35	0	23
Faleolo (1956-2021)	31	274.9	34	422.1	35	2	35

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for August to October 2021



Summary Statements

Rainfall for June 2021: Rainfall was *normal* for Apia, Afiamalu and Nafanua, while Faleolo recorded *below normal* rainfall.

Accumulated rainfall for April to June 2021, including outlook verification: *Below normal* rainfall was recorded for Apia, Faleolo and Nafanua while Afiamalu received *Normal* rainfall. The outlook that was issued in March was verified to be *consistent* at Afiamalu and *near-consistent* at Apia, Nafanua and Faleolo.

Faleolo recorded its third (03rd) driest April to June three monthly rainfall on record.

Outlooks for August to October 2021:

SCOPIC: For all stations the outlook offers little guidance as the chances of above-normal, normal and below-normal are similar.

1. ACCESS-S:

Monthly rainfall: The outlook offers little guidance for the whole of Samoa

Monthly maximum temperature and monthly minimum temperature: *Above normal* temperatures are favoured across Samoa for August.

Seasonal rainfall: The outlook shows above normal rainfall for the western part of Upolu and eastern part of Savaii and near normal rainfall for the eastern part of Upolu and the western part of Savaii. The outlook favours normal rainfall for the far western part of Savaii and offers little guidance for the central parts of Upolu and Savaii.

Seasonal maximum temperature and seasonal minimum temperature: The outlook shows *above normal* temperatures are favoured for Samoa for the August to October period.

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 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	06 th	Health/Fire Emergency/ Disaster Management/Tourism/ Electric Power Corporation/Media Outlets/Agriculture/Samoa Water Authority/Environment and Conservation/Fisheries	60	12	18
EAR Watch	06 th	Health/Fire Emergency/ Disaster Management/Tourism/ Electric Power Corporation/Media Outlets/Agriculture/Samoa Water Authority/Environment and Conservation/Fisheries	60	12	18
Monthly Climate Briefing	06 th	Health/Fire Emergency/ Disaster Management/Tourism/ Electric Power Corporation/Media Outlets/Agriculture/Samoa Water Authority/Environment and Conservation/Fisheries	60	12	18
Ocean Bulletin	06 th	Health/Fire Emergency/ Disaster Management/Tourism/ Electric Power Corporation/Media Outlets/Agriculture/Samoa Water Authority/Environment and Conservation/Fisheries	60	12	18
Total			60	12	18