Pacific Islands - Online Climate Outlook Forum (OCOF) No. 163

Country: Samoa

TABLE 1: Monthly Rainfall

	Jan-2021	Feb-	Mar-2021					
Station (include data period)		2021	Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)	Rainfall (mm)					
Apia (1890-2021)	635.1	664.7	254.6	265.7	361.5	308.8	36/132	
Afiamalu (1903-2021)	993.2	1024.2	274.6	397.0	587.9	513.5	14/69	
Nafanua (1965-2021)	850.9	759.7	312.4	299.4	390.0	341.6	19/49	
Faleolo (1956-2021)	344.6	540.6	116.0	180.5	243.7	213.6	9/60	

TABLE 2: Three-month Rainfall for January to March 2021

Station	Three-I	month Total	33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 October-November 2020				Verification: Consistent, Near-consistent,
	Rainfall (mm)						B-N	N	A-N	LEPS	Inconsistent?
Apia (1890-2021)	1554.4	Above normal	1002.3	1253.8	1093.3	116/132	15	37	48	11	Consistent
Afiamalu (1903-2021)	2292.0	Above normal	1565.7	2023.2	1806.1	49/67	19	37	45	7	Consistent
Nafanua (1965-2021)	1923.0	Above normal	1090.8	1621.5	1270.2	42/47	7	52	41	14	Near-consistent
Faleolo (1956-2021)	1001.2	Above normal	693.6	891.5	789.6	47/60	25	35	40	1	Consistent

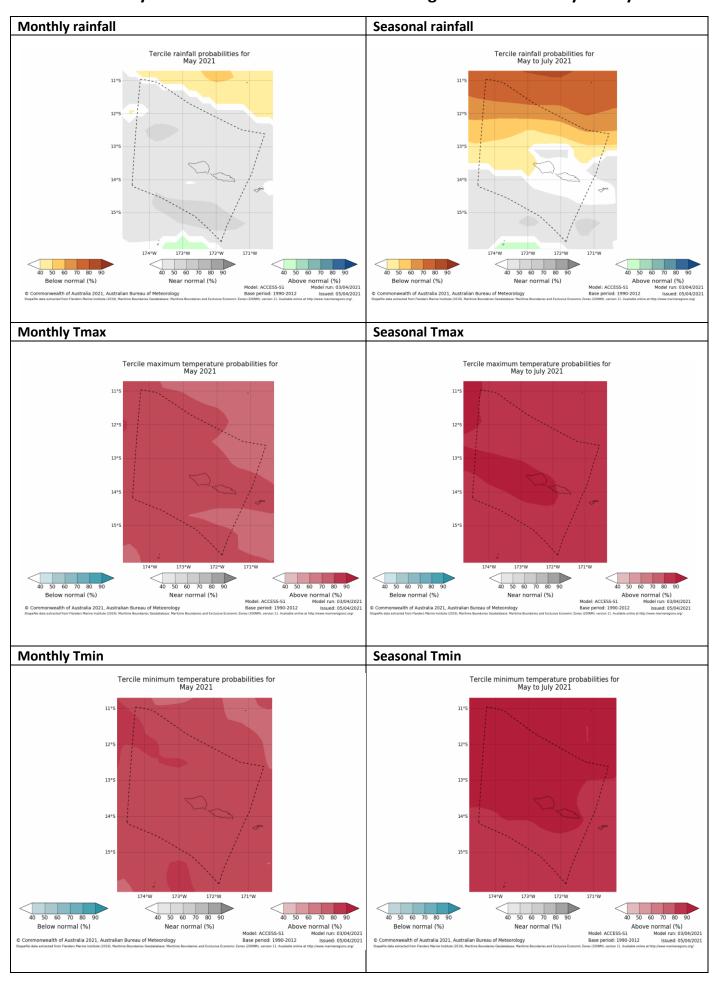
TABLE 3: Seasonal Climate Outlooks using SCOPIC for May to July 2021

Predictor and Period used: NINO3.4 for February to March 2021

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)	[w	PS (%) hole nbers]	Hit-rate (%) [whole numbers]
Apia (1890-2021)	46	455.0	54		-1	48
Afiamalu (1903-2021)	40	743.6	60		2	49
Nafanua (1965-2021)	50	528.6	50		-2	17
Faleolo (1956-2021)	41	331.0	59		2	57

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)	28	392.7	37	527.1	35	0	35
Afiamalu (1903-2021)	18	649.4	46	855.6	36	4	49
Nafanua (1965-2021)	33	461.3	38	653.0	29	-3	29
Faleolo (1956-2021)	31	274.6	26	392.7	43	0	38

TABLE 4: Monthly and Seasonal Climate Outlooks using ACCESS-S for May to July 2021



Summary Statements

Rainfall for March 2021: Rainfall was *below normal* for most stations, apart from Nafanua which recorded *normal* rainfall.

Accumulated rainfall for January to March 2021, including outlook verification: Rainfall was *above normal* across the country. The outlook issued in December was verified as *Consistent* at Apia, Afiamalu and Faleolo and *Near-Consistent* at Nafanua.

Outlooks for May to July 2021:

1. SCOPIC:

The outlook for Afiamalu shows *normal* as the most likely outcome, with *above normal* as the next most likely. *Below normal* is the least likely.

For Faleolo, the outlook shows *above normal* as the most likely outcome, with *below normal* as the next most likely. The outlook for Apia and Nafanua offers little guidance as the chances of *above normal*, *normal* and *below normal* rainfall are similar

2. ACCESS-S:

Monthly rainfall: *Near-normal* is the most likely outcome for Samoa for May.

Monthly maximum temperature and minimum temperatures: May is most likely to have *above normal* temperatures across Samoa.

Seasonal rainfall: The outlook offers little guidance across Samoa for the May to July period.

Seasonal maximum temperature and minimum temperatures: The outlook shows *above normal* is the most likely outcome for Samoa for the May to July period.

NB: The X LEPS % score has been categorised as follows:

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

Product	Date: March 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Summary	16 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			
EAR Watch	16 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		-	

Ocean Bulletin 16th 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 Climate Outlook 16th RED Cross, Water Authority, Agriculture & Infrastructure, Land & Transport Authority, Agriculture & Infrastructure, Land & Infrastructure, Land & Inf			Managers,		
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 Climate Outlook 16 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			Marines		
Climate Outlook Climate Outlook Are 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, Marrines	Ocean Bulletin	16 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		
Climate Outlook 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					
Outlook 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					
Total - - -		16 th	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	-	