Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 171

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Sep- 2021	Oct-2021	Nov-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nailk
Apia (1890-2021)	66.6	110.4	144.4	183.5	297.2	243.8	25/132
Afiamalu (1903-2021)	54.9	227.6	469.3	329.0	463.5	389.3	48/68
Nafanua (1965-2021)	27.3	114.2	237.9	206.4	318.9	272.4	22/51
Faleolo (1956-2021)	6.1	91.2	180.6	155.6	217.4	175.7	34/60

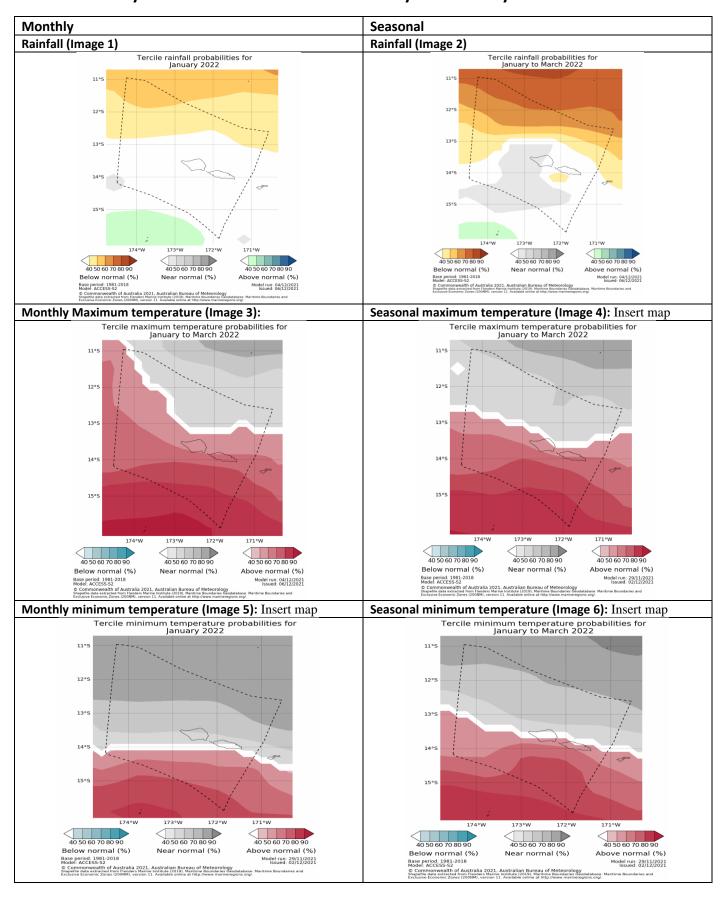
TABLE 2: Three-month Total Rainfall for September to November 2021

Station	Three-month Total		33%tile	67%tile	Median	Rank	
Apia (1890-2021)	321.4	Below normal	392.7	527.1	455.0	12/132	
Afiamalu (1903-2021)	751.8	Normal	649.4	855.6	743.6	21/68	
Nafanua (1965-2021)	379.4	Below normal	461.3	653.0	528.6	3/49	
Faleolo (1956-2021)	277.9	Normal	274.6	392.7	331.0	8/58	

 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$

Very High: $25 \le X < 35$ Exceptional: $X \ge 35$

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2022



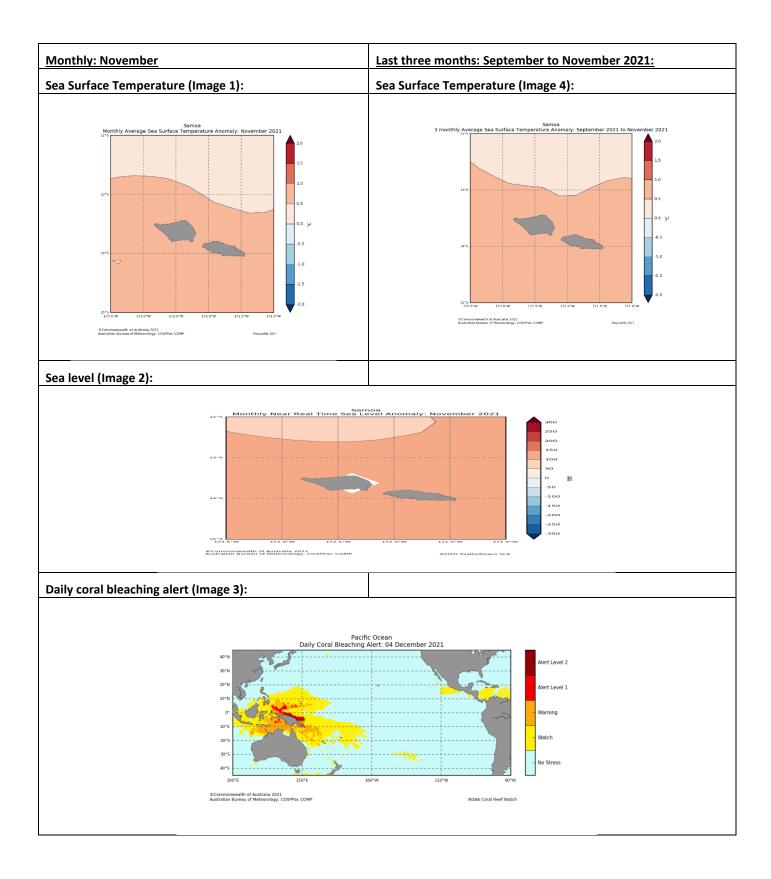
NB: The X LEPS % score has been categorised as follows:

 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Part 2: Recent Ocean summary statement

Monthly: November 2021



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

Very Low: X < 0.0

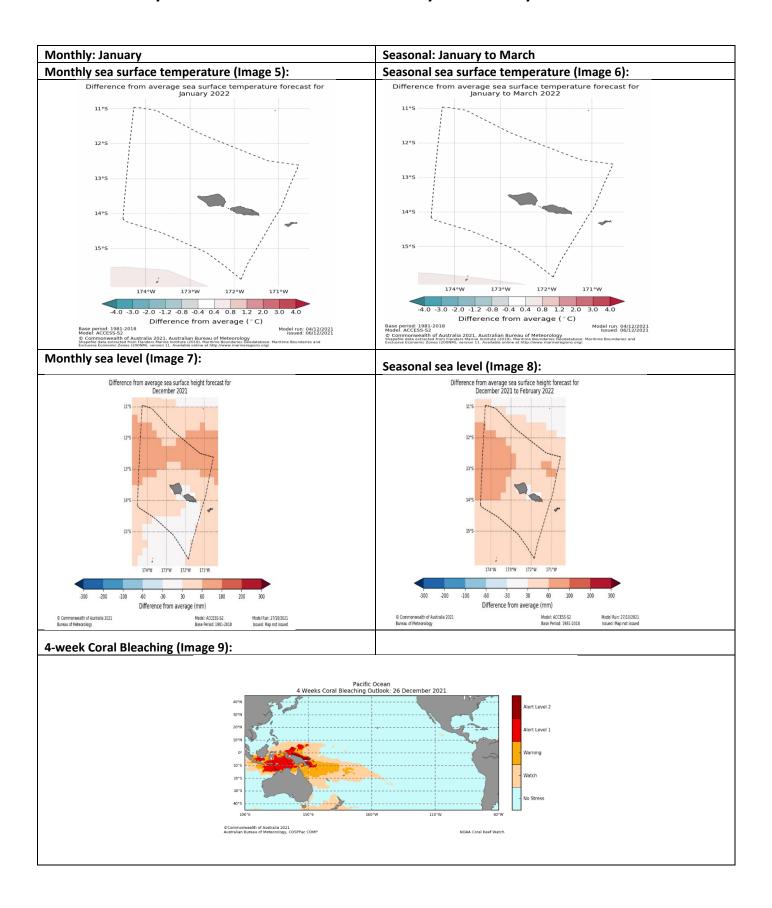
Low: $0 \le X < 5$

Moderate 5 ≤ X < 10

Good: $10 \le X < 15$ High: $15 \le X < 25$

Very High: $25 \le X < 35$ Exceptional: $X \ge 35$

Part 2i. Monthly and Seasonal Outlooks for January and January to March 2022



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

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Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Summary Statement

Monthly and last three months: November 2021/September to November statement (Highly significant changes)

Below normal rainfall was recorded at Apia while above normal rainfall was registered at Afiamalu. Near normal rainfall was received at Faleolo and Nafanua.

Below normal rainfall was recorded at Apia and Nafanua in the past three months, while Afiamalu and Faleolo received normal rainfall. Nafanua and Faleolo recorded its third (3rd) and eight driest September to November rainfall on record repectively.

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2022

Monthly /Seasonal rainfall and temperature Outlook statements (Highly significant changes)

The monthly rainfall outlook offers *little guidance* for the Samoa as the chances of above normal, normal and below normal are similar. The seasonal rainfall outlook shows *near normal* rainfall likely for the eastern side of Savaii and offers *little guidance* for Upolu and the western side of Savai'i.

Above normal maximum temperatures are very likely to occur across Samoa for January 2022. The seasonal outlook shows above normal maximum temperatures very likely for Samoa for January to March 2022.

The outlook shows *near normal* minimum temperatures are likely to occur across the island of Savaii and the north eastern side of Upolu and offers *little guidance* for rest of Upolu for January 2022. The seasonal outlook shows *above normal* minimum temperatures likely for Upolu and the southern side of Savaii and *little guidance* for the rest of Savaii for January to March 2022.

Part 2: Recent Ocean summary statement

Monthly and last three months: November/September to November 2021 (Highly significant changes)

Sea Surface temperatures (SSTs) in the Samoa region experienced a slight warming in the last three months.

Sea Level Anomaly (SLA) showed a slight increase of 100mm-150mm in November 2021.

Part 2i. Monthly and Seasonal Outlooks for January and January to March 2022

Ocean Variable statement (Highly significant changes)

Sea Surface temperatures (SST) for Samoa is anticipated to be normal for the rest of the island in January 2022. It is forecasted that Samoa is expected to continue with near normal SST conditions in the upcoming three-month period January to March 2022.

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Very High: 25 ≤X < 35 Exceptional: X ≥ 35

TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: November 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Outlook & Tropical Cyclone Briefing	2 nd	SPREP	20	10	10
Climate Outlook &Tropical Cyclone Briefing	10 th	UNDP, AUSTRALIA HIGH COMMISION	20	10	10
Climate Projections Presentation	18 th	Japan International Cooperation Agency, SPREP	30	15	15
Climate Summary (Email, Website)	25 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 Outlook	25 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	200	89	111

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