### Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 170

**Country: Samoa** 

Part 1: Recent climate

**TABLE 1: Monthly Rainfall** 

Station (include data period)	Aug- 2021	Sep- 2021	Oct-2021					
			Total (mm)	33%tile	67%tile	Median	Rank	
	Total (mm)	Total (mm)		Nailk				
Apia (1890-2021)	166.1	66.6	110.4	155.3	257.7	202.1	24/132	
Afiamalu (1903-2021)	245.0	54.9	227.6	259.3	418.8	352.8	20/70	
Nafanua (1965-2021)	156.9	27.3	114.2	186.8	344.4	238.3	9/50	
Faleolo (1956-2021)	47.8	6.1	91.2	126.0	192.4	155.3	12/60	

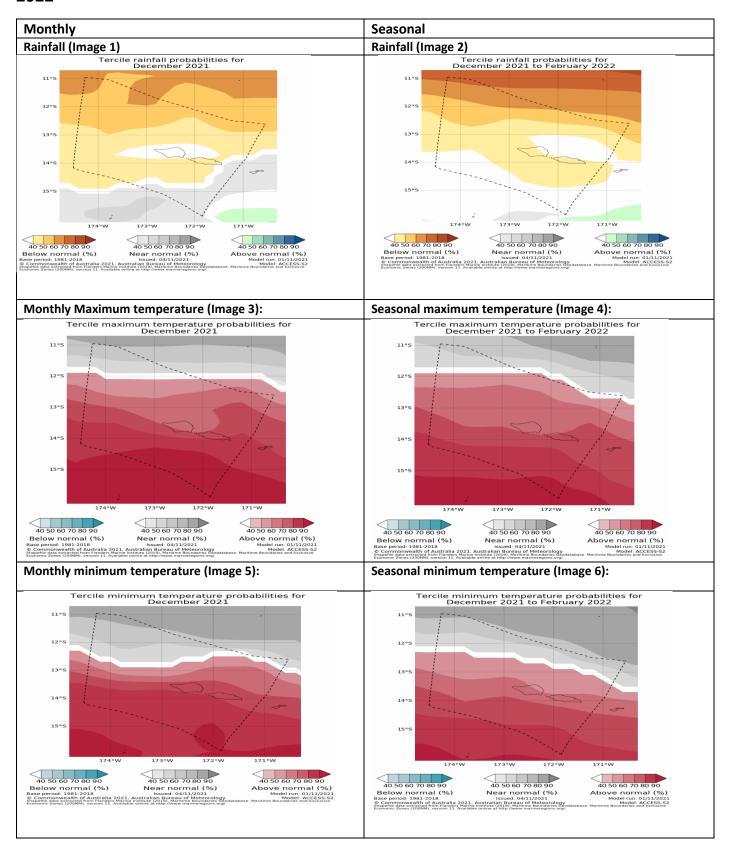
**TABLE 2: Three-month Total Rainfall for August to October 2021** 

Station	Three	-month Total	33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2021)	343.1	Below normal	387.7	539.0	470.3	39/132
Afiamalu (1903-2021)	527.5	Below normal	646.3	832.6	733.7	18/67
Nafanua (1965-2021)	298.4	Below normal	464.8	603.1	535.1	7/49
Faleolo (1956-2021)	145.1	Below normal	274.9	422.1	351.8	7/58

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

# Part 1i. Monthly and Seasonal Outlooks for December and December 2021 to February 2022



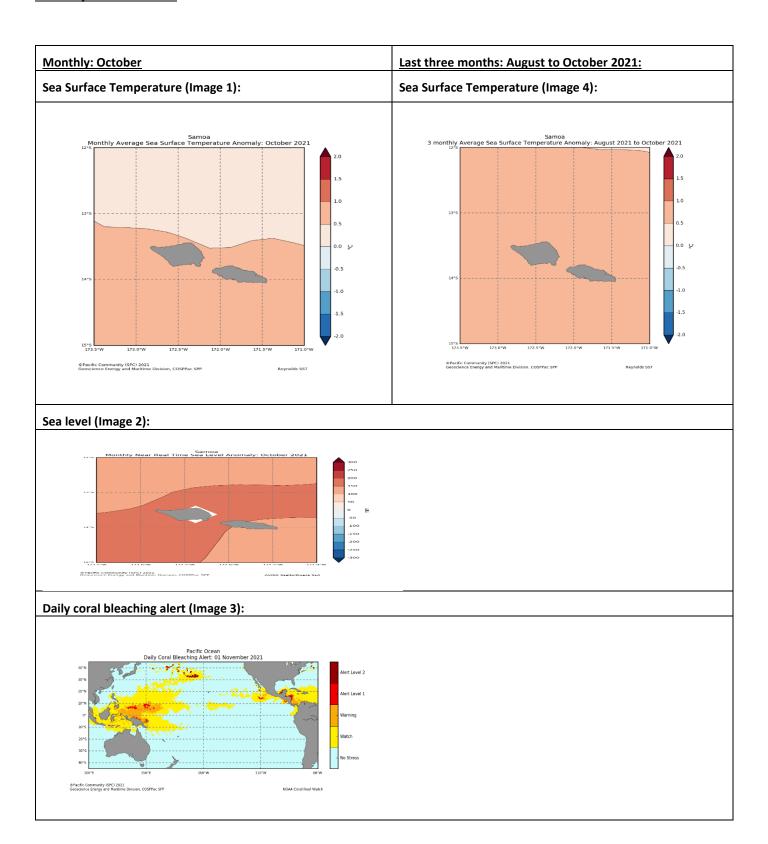
#### NB: The X LEPS % score has been categorised as follows:

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### Part 2: Recent Ocean summary statement

#### **Monthly: October 2021**

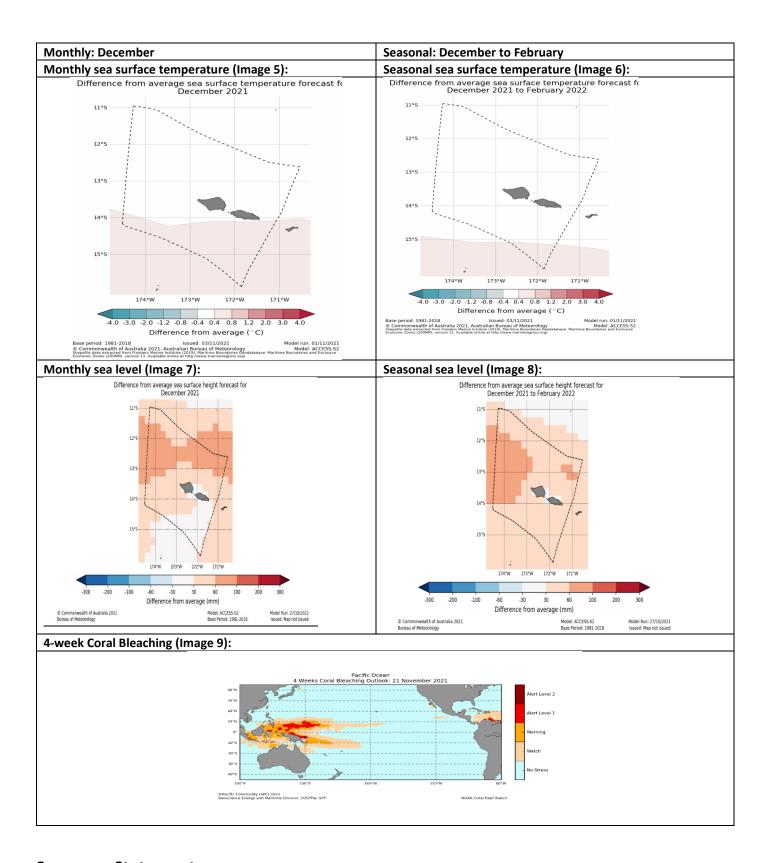


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# Part 2i. Monthly and Seasonal Outlooks for December and December 2021 to February 2022



#### **Summary Statement**

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#### Monthly and last three months: October 2021/August to October statement (Highly significant changes)

Below normal rainfall was recorded at all stations.

Below normal rainfall was recorded at all stations in the past three months.

## Part 1i. Monthly and Seasonal Outlooks for December and December 2021 to February 2022

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

The monthly rainfall outlook shows *below normal* rainfall likely for Upolu and offers little guidance for the whole of Savai'i. The seasonal rainfall outlook shows *below normal* rainfall likely for Upolu and most parts of Savai'i and offers little guidance for the north eastern side of Savai'i.

Above normal maximum and minimum temperatures are very likely to occur across Samoa for December 2021. Above normal maximum and minimum temperatures are likely to occur across Samoa for December 2021 to February 2022.

#### Part 2: Recent Ocean summary statement

#### Monthly and last three months: October/August to October 2021 (Highly significant changes)

Sea Surface temperatures (SST) for Samoa is anticipated to be average for the rest of the island in December 2021. It is forecasted that Samoa is expected to experience average conditions in the upcoming three-month period December to February 2021. Sea Level Anomaly (SLA) shows an increase of 100mm-200mm in October 2021.

## Part 2i. Monthly and Seasonal Outlooks for December and December 2021 to February 2022

#### Ocean Variable statement (Highly significant changes)

The outlook for Samoa shows SSTs are likely to be close to average for both the monthly and seasonal outlook periods.

The outlook for the Samoa region shows a significant sea level elevation of 0.10m-0.20m for the period December 2021 to February 2022.

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

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Product	Date: October 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
PICOF	21st and 22nd October	SPREP, WMO, BOM, APCC, NOAA, SPC, NIWA, NMS and partners	50	25	25
NCOF	28th October	SPREP, WMO, SMET	80	40	40
		Total	130	65	65

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