Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 169

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2021	Aug-2021	Sep-2021				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2021)	96.4	166.1	66.6	88.2	172.6	120.8	31/132
Afiamalu (1903-2021)	301.2	245.0	54.9	126.0	219.7	179.8	9/69
Nafanua (1965-2021)	100.1	156.9	27.3	102.2	175.5	151.4	**4/49**
Faleolo (1956-2021)	32.1	47.8	6.1	55.1	115.6	80.9	**2/59**

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

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2021)	329.1	Normal	275.4	440.1	387.0	61/132
Afiamalu (1903-2021)	601.1	Normal	541.1	691.0	627.8	36/67
Nafanua (1965-2021)	284.3	Below normal	341.8	505.6	406.0	14/49
Faleolo (1956-2021)	86.0	Below normal	206.8	346.7	275.8	**3/57**

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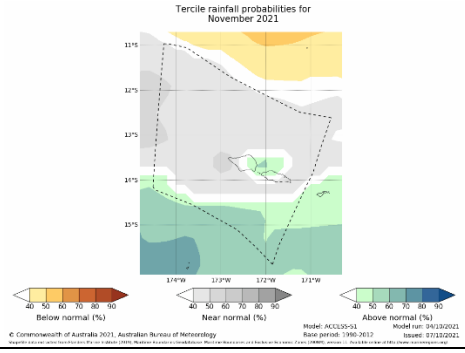
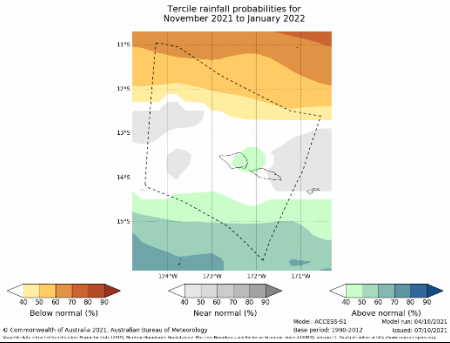
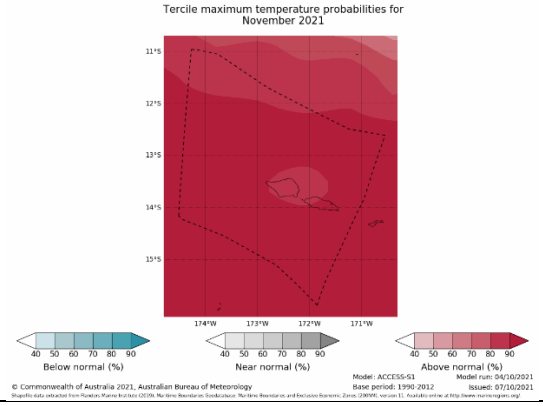
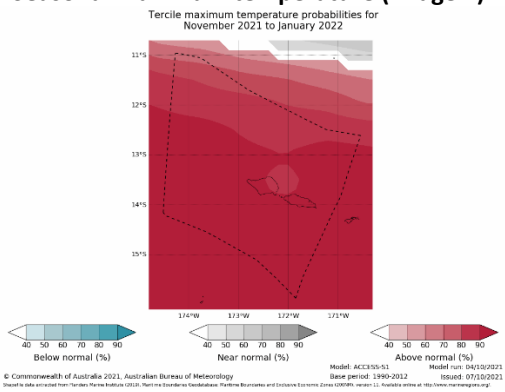
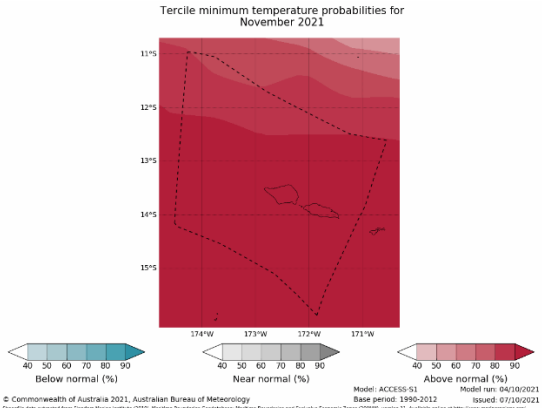
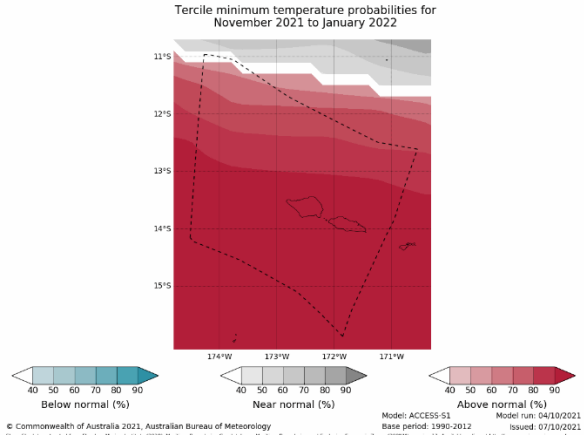
Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Part 1i. Monthly and Seasonal Outlooks for November and November 2021 to January 2022

Monthly	Seasonal
Rainfall (Image 1) 	**Rainfall (Image 2)** 
Monthly Maximum temperature (Image 3): 	**Seasonal maximum temperature (Image 4):** 
Monthly minimum temperature (Image 5): 	**Seasonal minimum temperature (Image 6):** 

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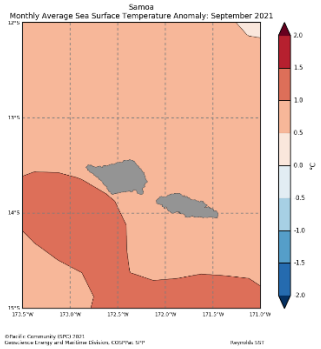
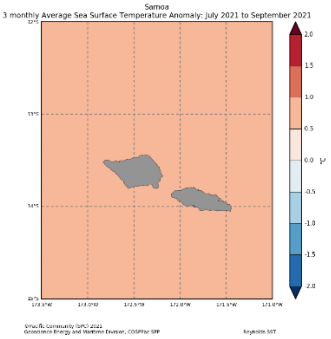
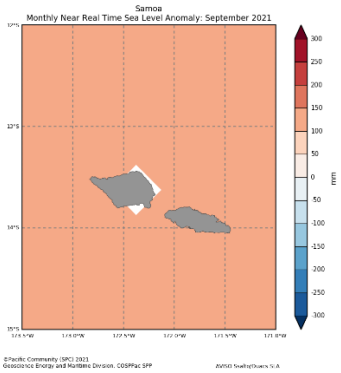
Part 2: Recent Ocean summary statement

Monthly: September 2021

Monthly: September	**Last three months: July to September 2021:**
Sea Surface Temperature (Image 1):	**Sea Surface Temperature (Image 4):**
	
Sea level (Image 2):	
	
Daily coral bleaching alert (Image 3):	

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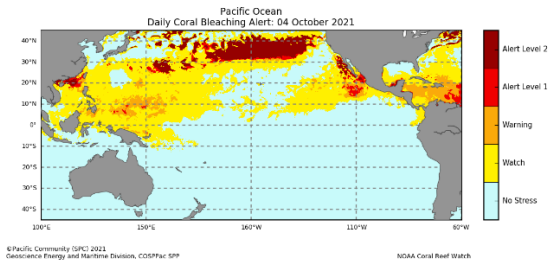
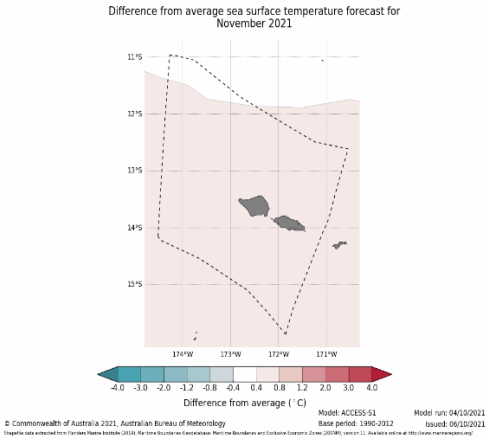
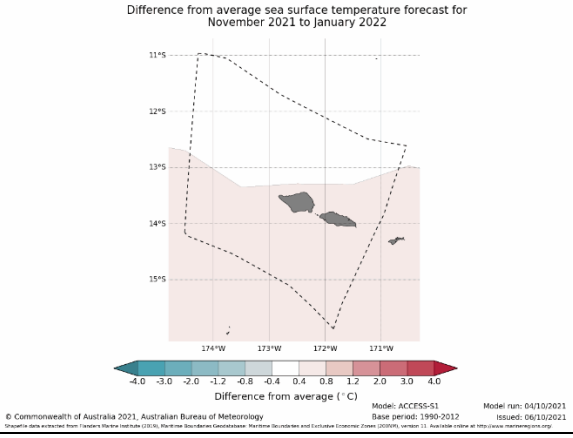
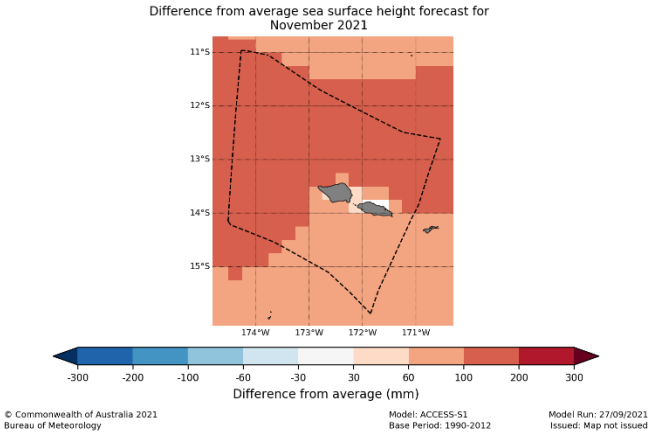
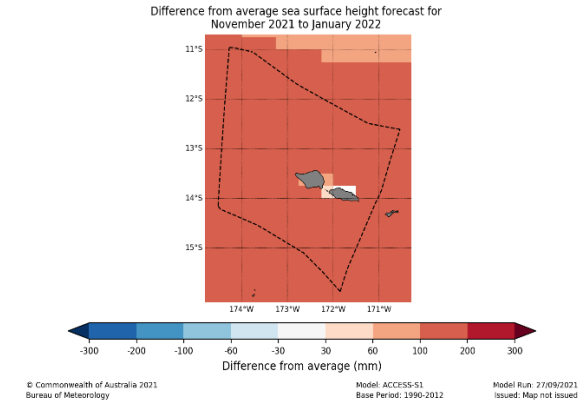


Part 2i. Monthly and Seasonal Outlooks for November and November 2021 to January 2022

Monthly: November	Seasonal: November to January
Monthly sea surface temperature (Image 5): 	**Seasonal sea surface temperature (Image 6):** 
Monthly sea level (Image 7): 	**Seasonal sea level (Image 8):** 

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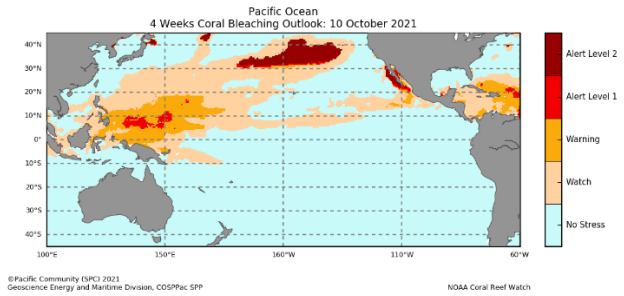
4-week Coral Bleaching (Image 9): 	

Summary Statement

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

For September, **b*elow normal*** rainfall was recorded in all stations. Faleolo recorded its 2nd driest September on record while Nafanua registered its 4thdriest.

Apia and Afiamalu recorded ***normal*** rainfall in the past three months whereas ***below normal*** rainfall was experienced at Nafanua and Faleolo. Faleolo station recorded its 3rd driest July to September period on record.

Part 1i. Monthly and Seasonal Outlooks for November and November 2021 to January 2022

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

The monthly rainfall outlook and three-monthly outlook shows central Samoa to anticipate ***above normal*** conditions.

Above normal maximum and minimum temperatures are very likely across Samoa for November 2021 to January 2022.

Part 2: Recent Ocean summary statement

Monthly and last three months: September/July to September 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 September 2021.

Part 2i. Monthly and Seasonal Outlooks for November and November 2021 to January 2022

Ocean Variable statement *(Highly significant changes)*

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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 November 2021 to January 2022.

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

Product	Date: September 2021	Stakeholder	Total Number of Participants	Number of male	Number of female
CREWS Community Awareness Program	29th August-06th October 2021	SFESA, Samoa Met, Village Communities	270	120	150
Samoa College Open day	15th – 16th	Samoa College	300	150	150
		Total	**570**	170	**200**

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