Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 193

Country: Samoa

Part 1: Recent climate

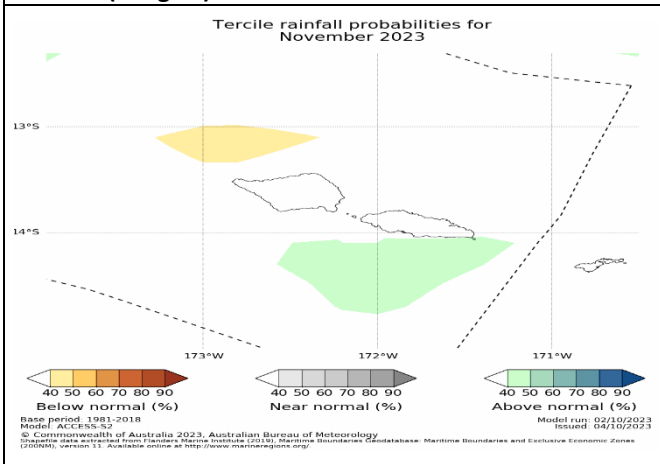
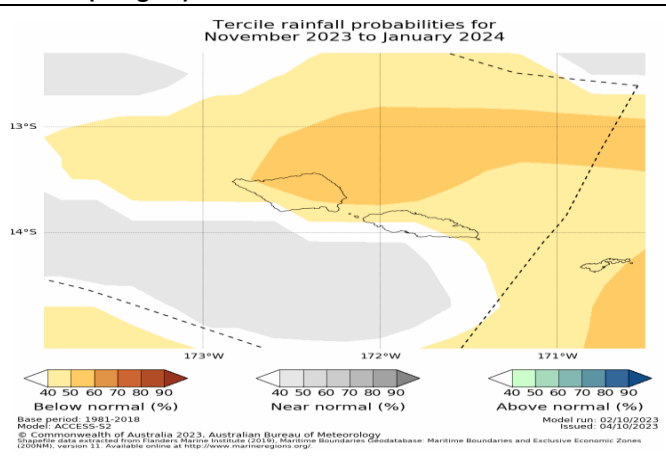
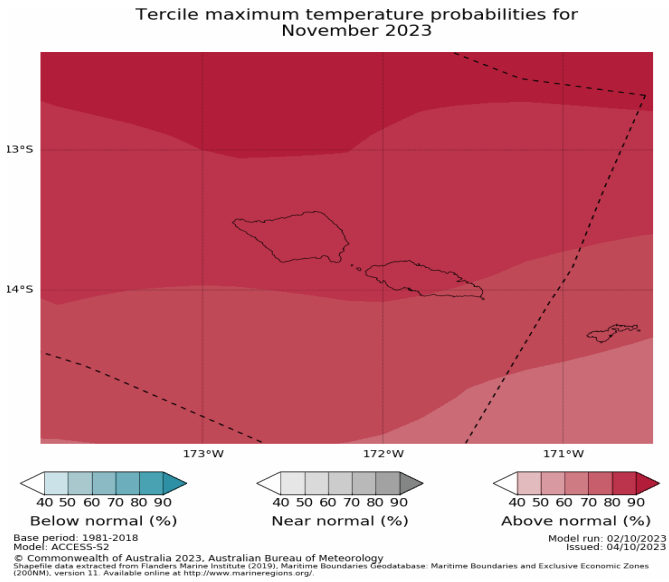
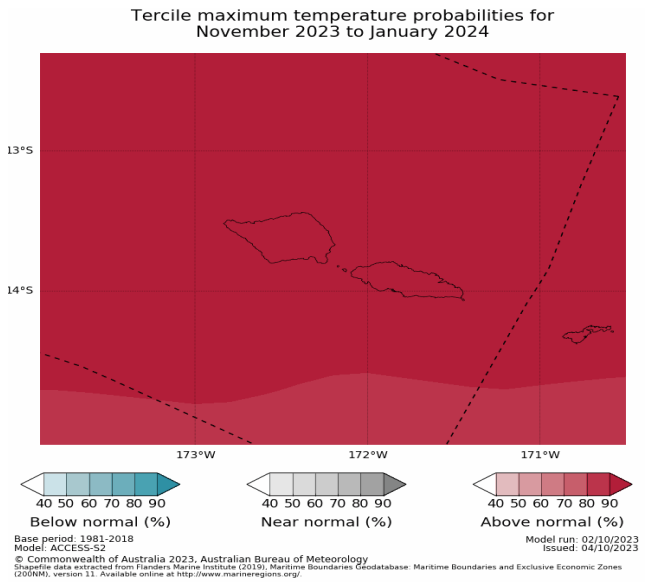
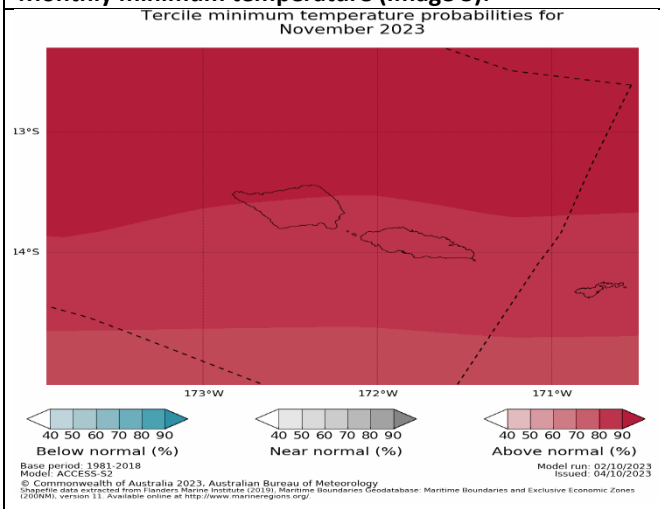
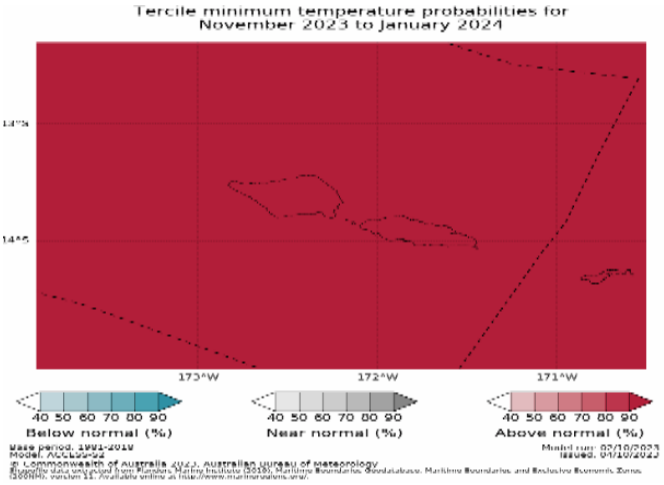
TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2023	Aug-2023	Sep-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2023)	209.3	98.0	29.0	91.0	171.9	120.0	**10/134**
Afiamalu (1903-2023)	268.8	233.0	155.4	115.1	217.1	151.4	37/71
Nafanua (1965-2023)	219.2	168.4	32.0	99.6	173.2	143.1	6/51
Faleolo (1956-2023)	114.0	235.7	92.6	53.2	109.0	78.1	35/61

TABLE 2: Three-month Total Rainfall for July to September 2023

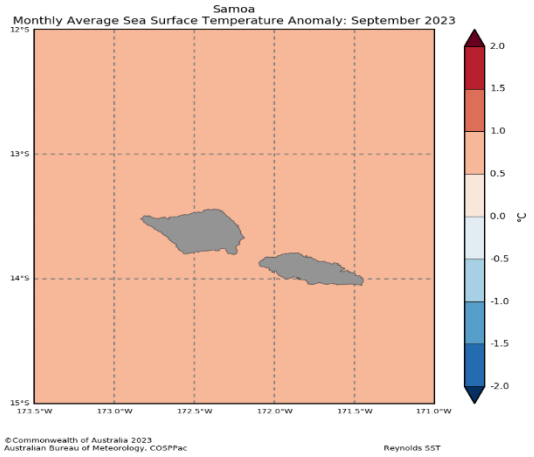
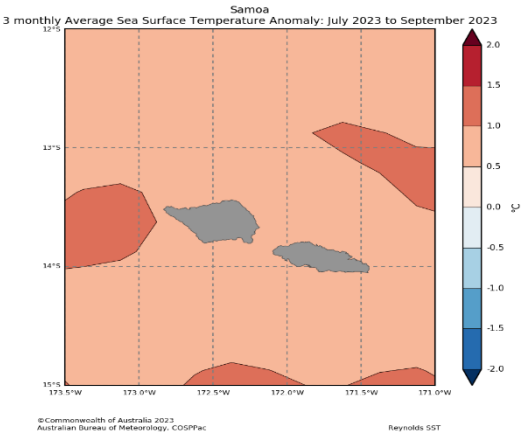
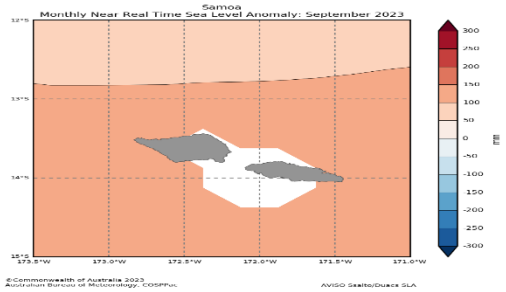
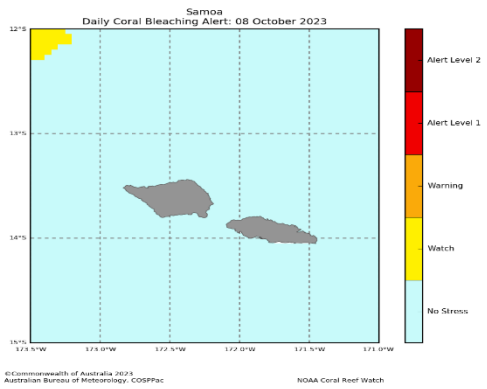
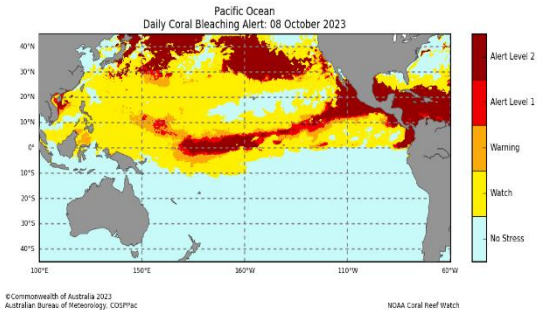
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2023)	336.3	Normal	254.5	425.2	347.0	62/134
Afiamalu (1903-2023)	657.2	Normal	505.4	671.0	589.8	41/69
Nafanua (1965-2023)	419.6	Normal	338.3	495.5	406.4	27/51
Faleolo (1956-2023)	442.3	Above normal	195.0	323.8	261.2	49/59

Part 1i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024

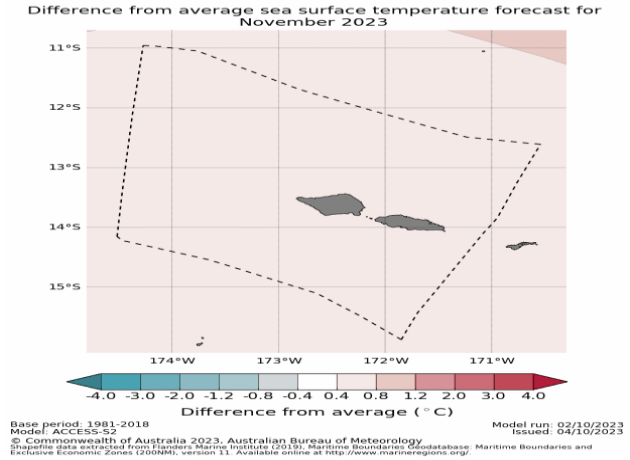
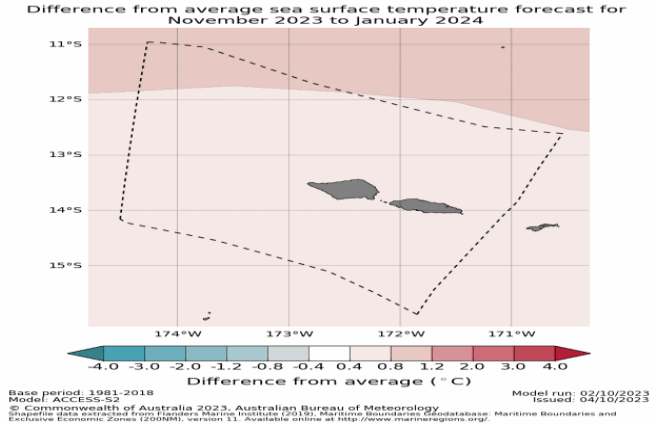
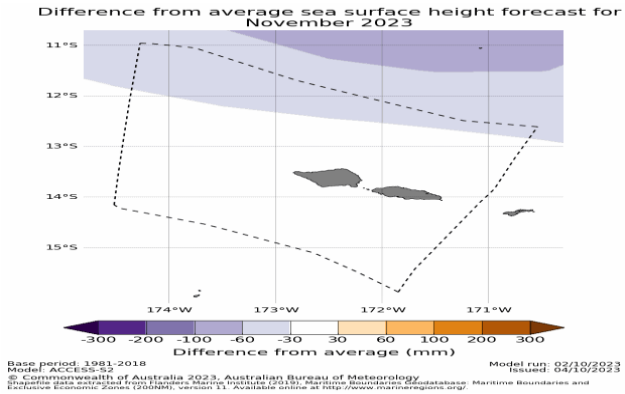
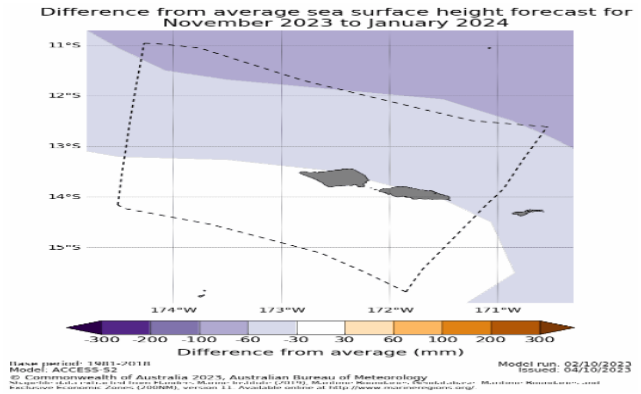
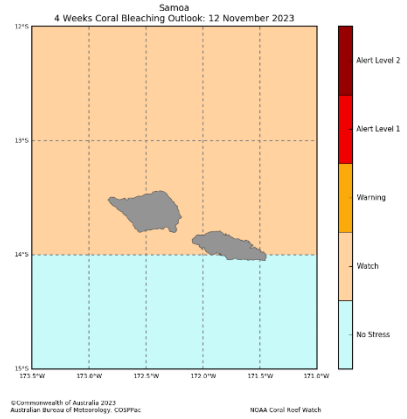
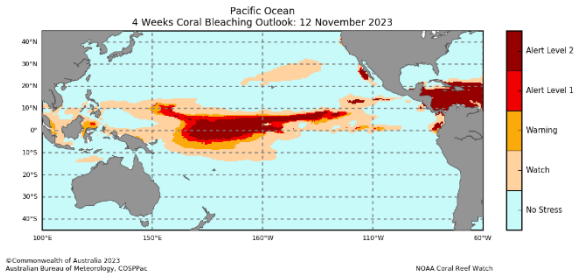
Monthly: November	Seasonal: November to January
Rainfall (Image 1)	**Rainfall (Image 2)**
	
Monthly Maximum temperature (Image 3):	**Seasonal maximum temperature (Image 4):**
	
Monthly minimum temperature (Image 5):	**Seasonal minimum temperature (Image 6):**
	

Part 2: Recent Ocean Observation

Monthly/Three months: September and July to September 2023

Monthly: September	**Last three months: July to September 2023:**
Sea Surface Temperature (Image 1):	**Sea Surface Temperature (Image 4):**
	
Sea level (Image 2):	
	
Daily coral bleaching alert (Image 3):	
	

Part 2i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024

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):**
	
4-week Coral Bleaching (Image 9):	
	

Summary Statement

Monthly and last three months: September 2023/July to September 2023 statement

Near-normal rainfall was recorded at Afiamalu and Faleolo, while Apia and Nafanua received below normal rainfall for September 2023. Nafanua had its sixth driest September on record.

Apia, Afiamalu and Nafanua experienced near-normal rainfall over the past three months, while Faleolo received above normal.

Part 1i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The outlook for November rainfall offers little guidance over Samoa.

The rainfall for November to January 2024 is likely to be below normal over most of Samoa, apart from the southern part of Upolu where the outlook offers little guidance.

Maximum and minimum temperatures during November and averaged over November to January 2024, are very likely to be above normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: September 2023/July to September 2023

September ocean temperatures around Samoa's main island were 0.5 to 1.0°C above normal.

Averaged over July to September, ocean temperatures around Samoa were 0.5 to 1.5°C above normal.

September sea levels around Samoa were 100mm to 150mm above normal.

The coral bleaching alert for Samoa shows no thermal stress.

Part 2i. Monthly and Seasonal Outlooks for November and November to January 2024

Ocean Variable statement

November ocean temperatures around Samoa's main island are predicted to be 0.4 to 0.8°C above normal.

Averaged over November to January 2024, ocean temperatures around Samoa are predicted to be 0.4 to 0.8°C above normal.

November sea levels around Samoa are likely to be near normal.

Averaged over November to January 2024 sea levels are likely to be below normal ranging from –30mm to –60mm in northeastern Samoa, the remainder parts of the country are likely to be near normal.

The coral bleaching outlook for Samoa is likely to be 'Watch' status for the next four weeks.

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

Product	Date: September 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
EAR Watch	28th	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	
Seasonal Rainfall Outlook	28th	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	65	27	38	