Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 189

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2023	Apr-2023	May-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2023)	270.2	170.3	258.1	128.0	205.0	165.4	106/134
Afiamalu (1903-2023)	721.0	365.9	507.6	234.1	364.0	305.1	62/70
Nafanua (1965-2023)	392.0	215.8	376.7	187.5	260.6	201.4	43/52
Faleolo (1956-2023)	269.8	129.9	381.3	101.7	176.7	132.5	**61/62**

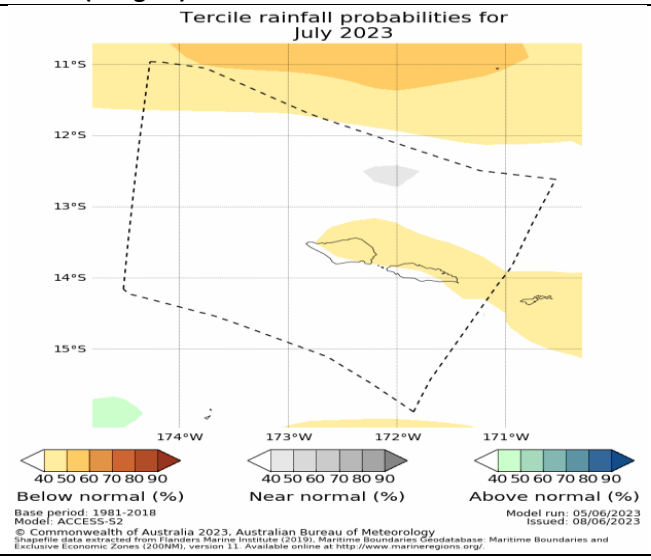
TABLE 2: Three-month Total Rainfall for March to May 2023

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2023)	698.6	Normal	656.0	836.8	762.5	58/134
Afiamalu (1903-2023)	1594.5	Above normal	978.8	1298.6	1152.1	55/69
Nafanua (1965-2023)	984.5	Normal	762.6	1001.1	865.3	34/51
Faleolo (1956-2023)	781.0	Above normal	468.0	621.3	534.6	**57/61**

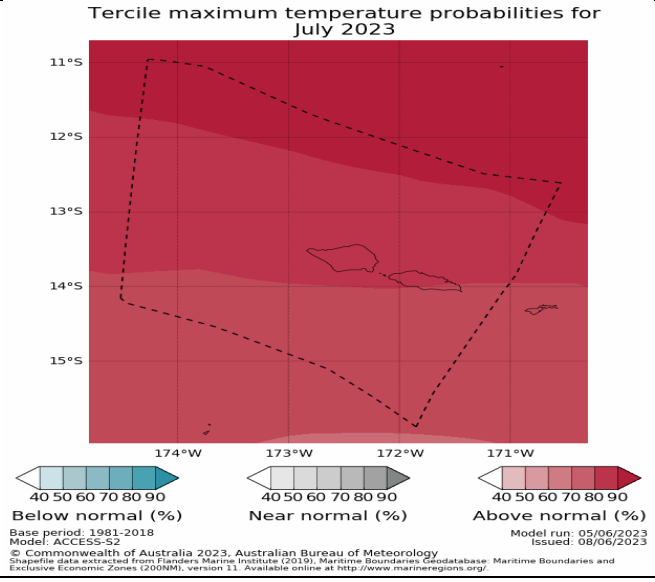
Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

Monthly: July

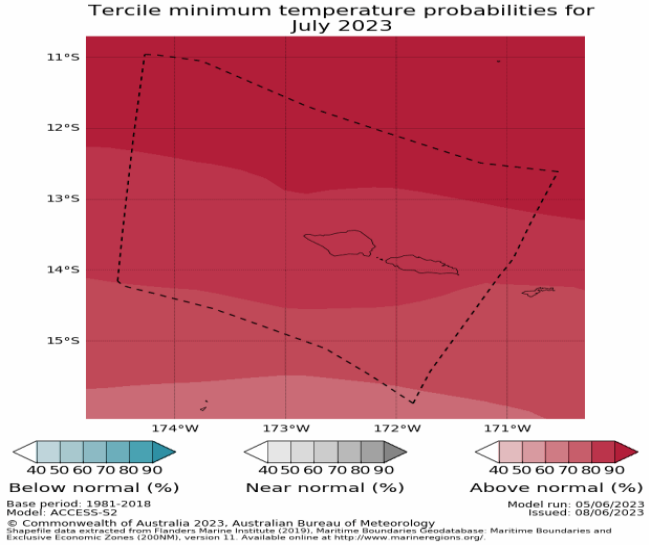
Rainfall (Image 1)



Monthly Maximum temperature (Image 3):

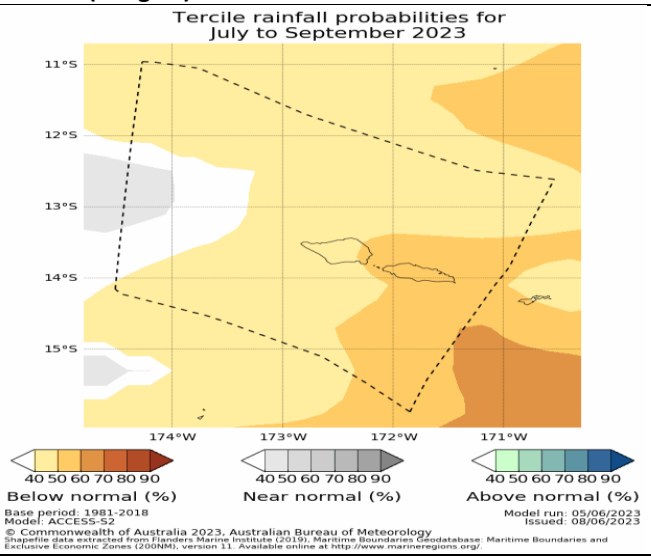


Monthly minimum temperature (Image 5):

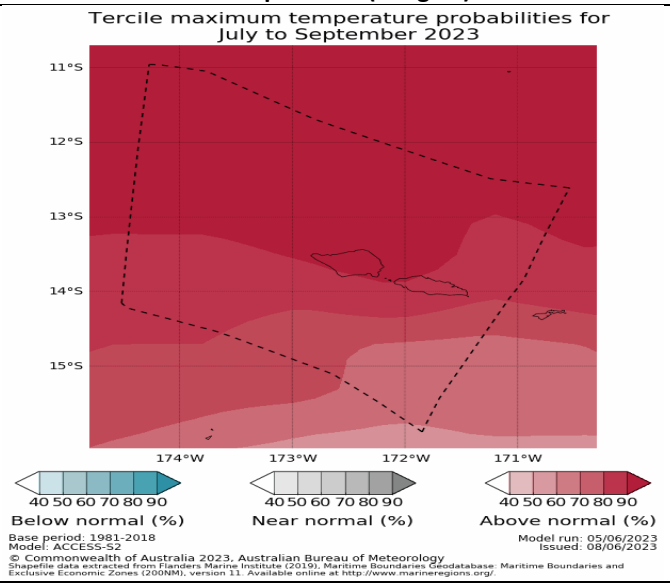


Seasonal: July to September

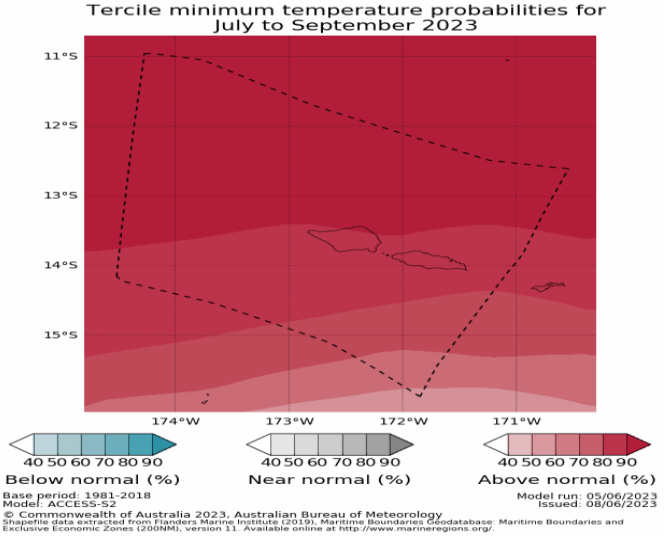
Rainfall (Image 2)



Seasonal maximum temperature (Image 4):

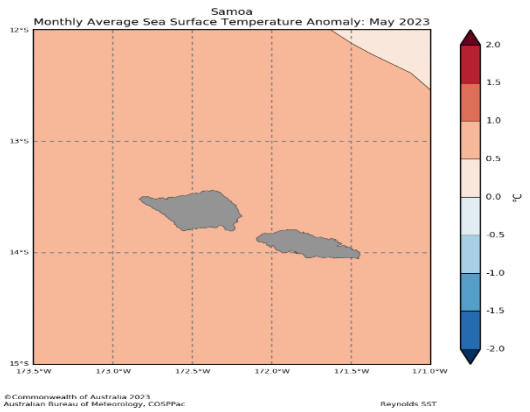
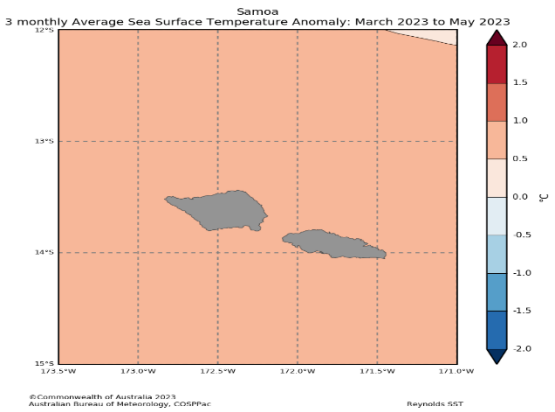
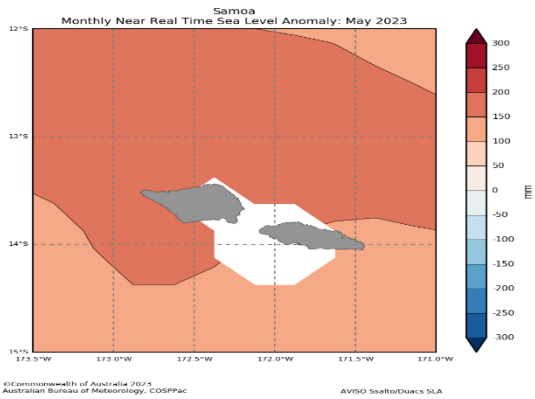
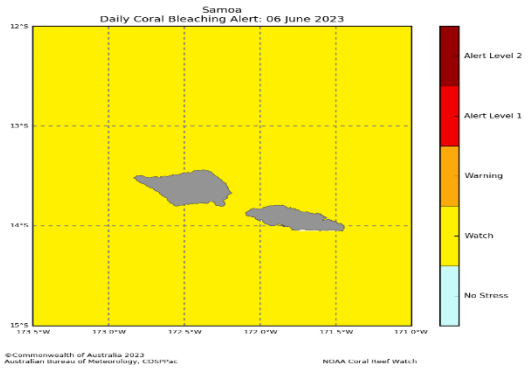
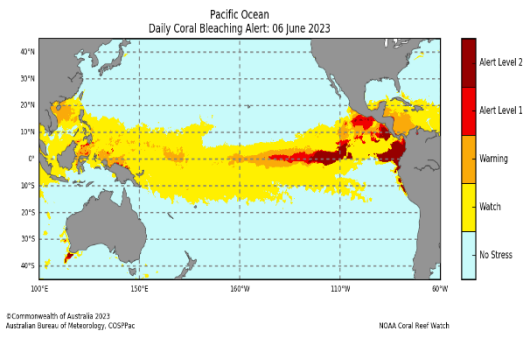


Seasonal minimum temperature (Image 6):

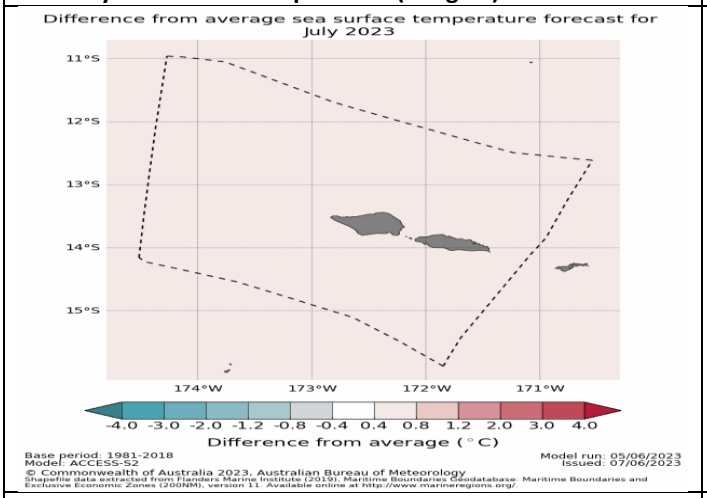
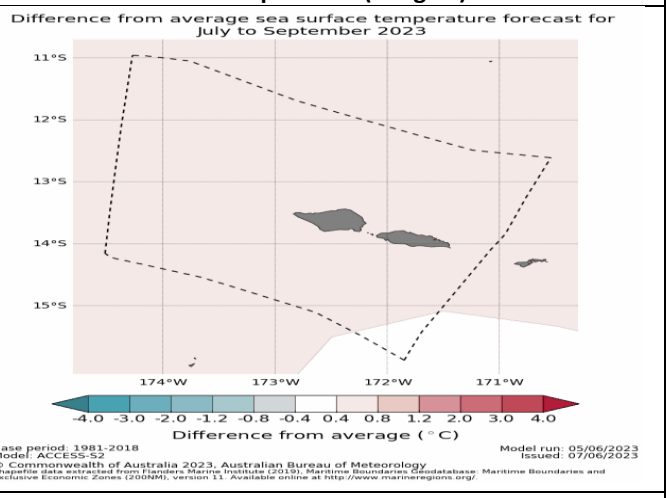
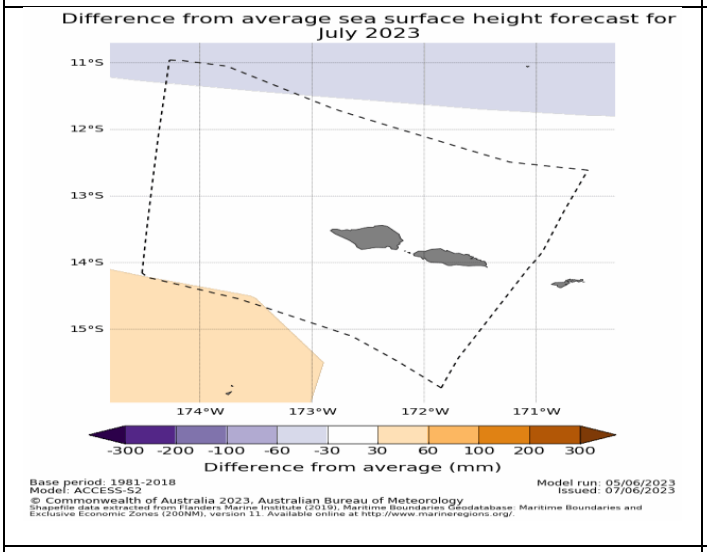
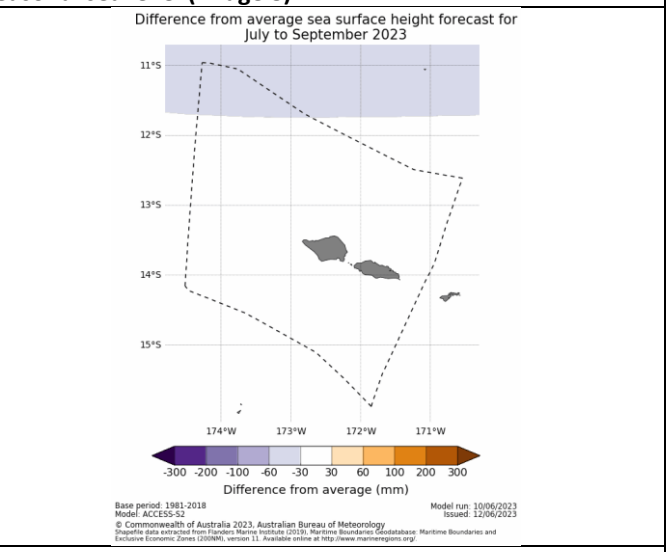
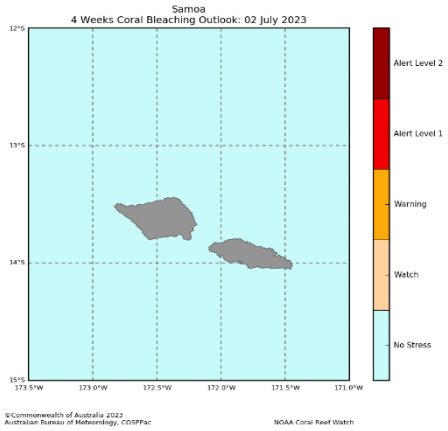
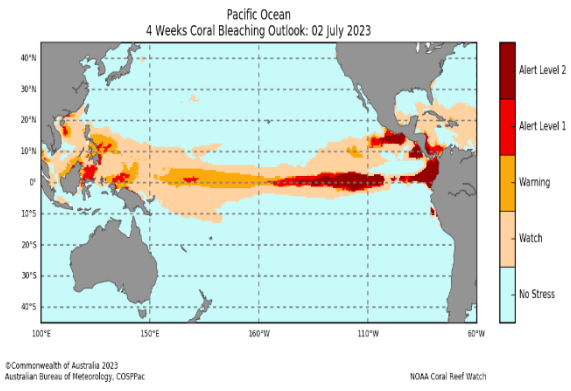


Part 2: Recent Ocean Observation

Monthly/Three months: May and March to May 2023

Monthly: May	**Last three months: March to May 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 July and July to September 2023

Monthly: July	Seasonal: July to September
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: May 2023/March to May 2023 statement

Above normal rainfall was recorded at all stations for May 2023. Faleolo posted its second wettest May on record, while Afiamalu recorded its ninthwettest.

Afiamalu and Faleolo experienced *above normal* rainfall over the past three months, while Nafanua and Apia received *normal rainfall.*. Faleolo had its fifth wettest March to May on record.

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July is likely to be below normal for the northern and eastern parts of Samoa's main islands, while in the southern and western areasthe outlook offers little guidance.

The rainfall for July to September is likely or very likely to be below normal over Samoa.

Maximum and minimum temperatures during July and averaged over July to September are likely to be above normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: May 2023/March to May 2023

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

Averaged over March to May, ocean temperatures around Samoa were 0.5 to 1.0°C above normal.

May sea levels around Samoa were 100mm to 200mm above normal.

There is a coral bleaching watch over Samoa.

Part 2i. Monthly and Seasonal Outlooks for July and July to September 2023

Ocean Variable statement

July ocean temperatures around Samoa are predicted to be 0.4°C to 0.8°C above normal.

Averaged over July to September, ocean temperatures around Samoa are predicted to be 0.4°C to 0.8°C above normal.

July sea levels around Samoa are predicted to be near normal.

Averaged over July to September, sea levels around Samoa are predicted to be near normal.

The coral bleaching outlook for Samoa shows no thermal stress for the next four weeks.

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

Product	Date: May 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
EAR Watch	30th	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	22nd	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	31st	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**	