

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 203

Country: Samoa

Part 1: Recent climate

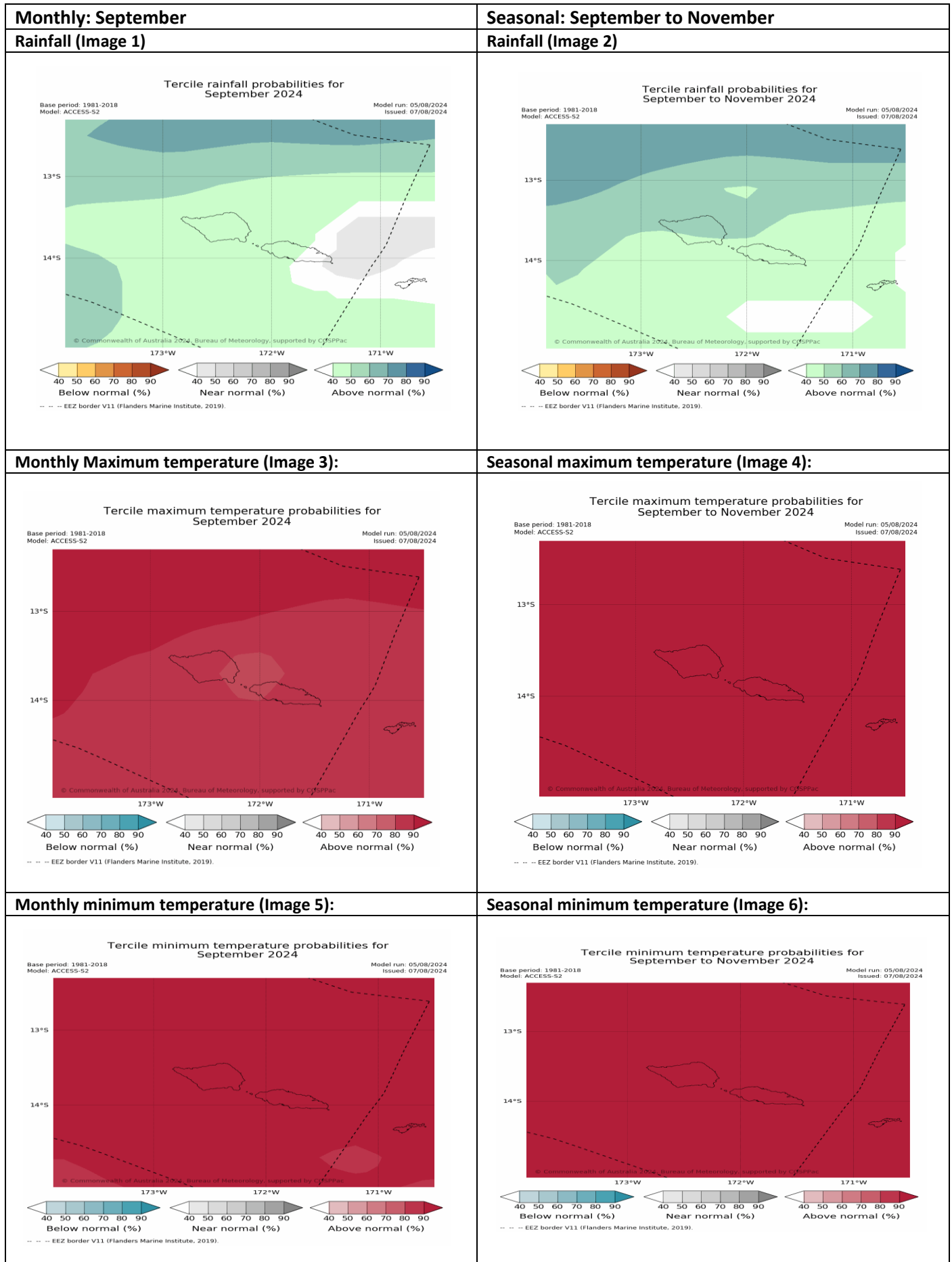
TABLE 1: Monthly Rainfall

Station (include data period)	May-2024	Jun-2024	Jul-2024				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2024)	300.2	204.2	209.3	74.3	130.7	96.5	121/135
Afiamalu (1903-2024)	576.4	410.5	325.4	143.7	264.1	208.5	56/73
Nafanua (1965-2024)	502.4	258.3	203.8	91.4	175.1	130.7	42/53
Faleolo (1956-2024)	286.4	104.9	179.5	54.7	103.4	75.7	59/64

TABLE 2: Three-month Total Rainfall for May to July 2024

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2024)	713.7	Above normal	337.4	494.9	412.8	126/135
Afiamalu (1903-2024)	1312.3	Above normal	628.5	858.7	743.6	67/70
Nafanua (1965-2024)	964.5	Above normal	445.0	653.0	527.6	51/52
Faleolo (1956-2024)	570.8	Above normal	274.6	392.7	325.6	57/62

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

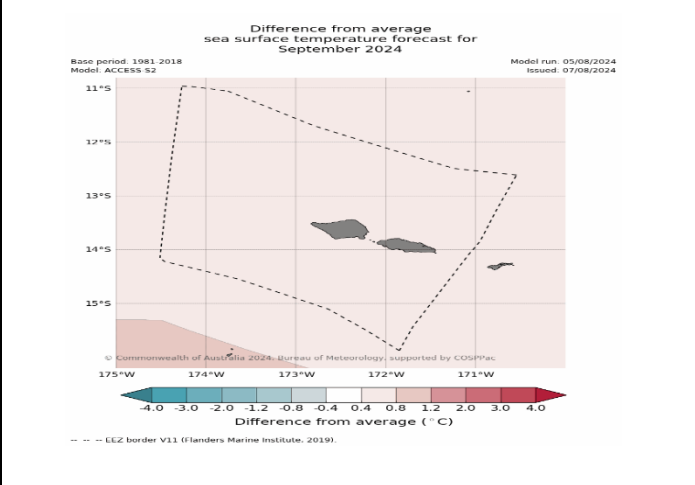
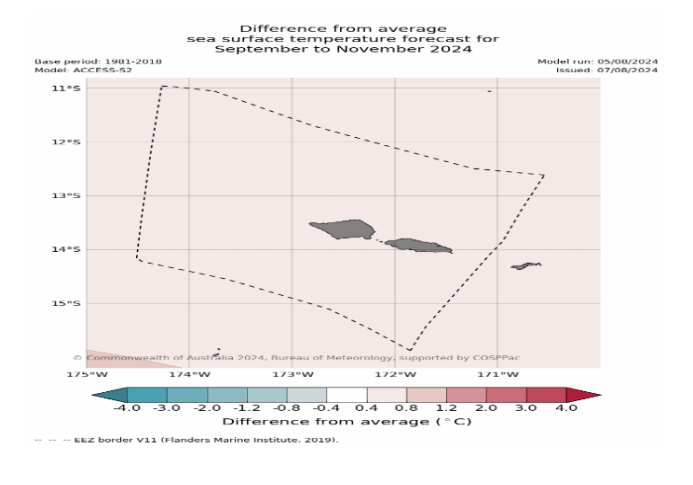
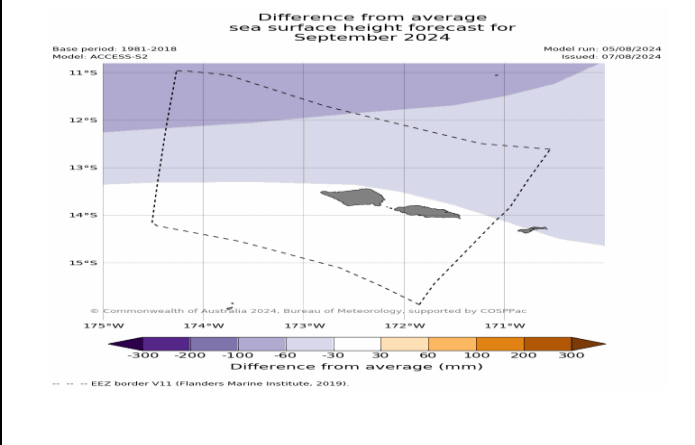
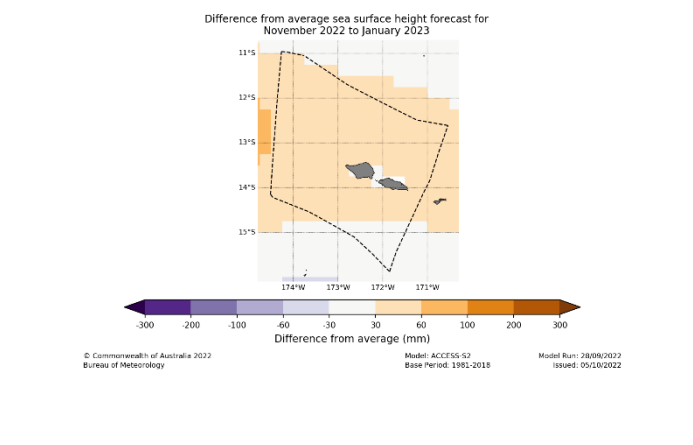
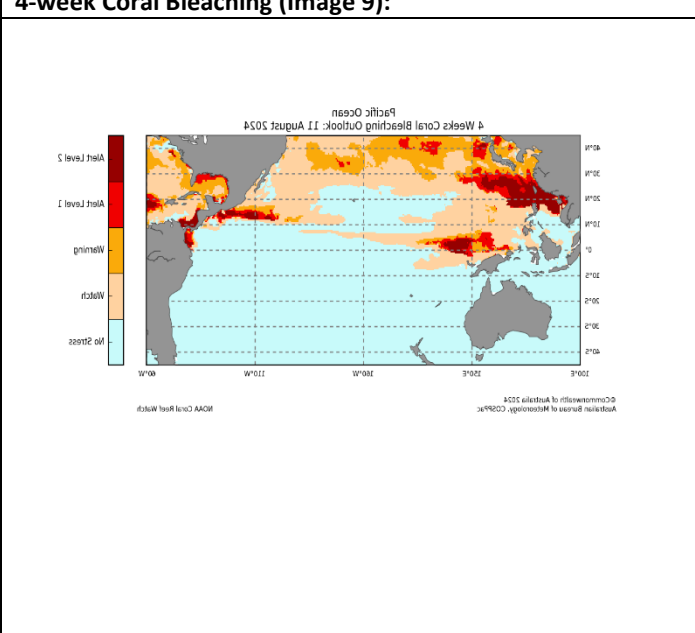
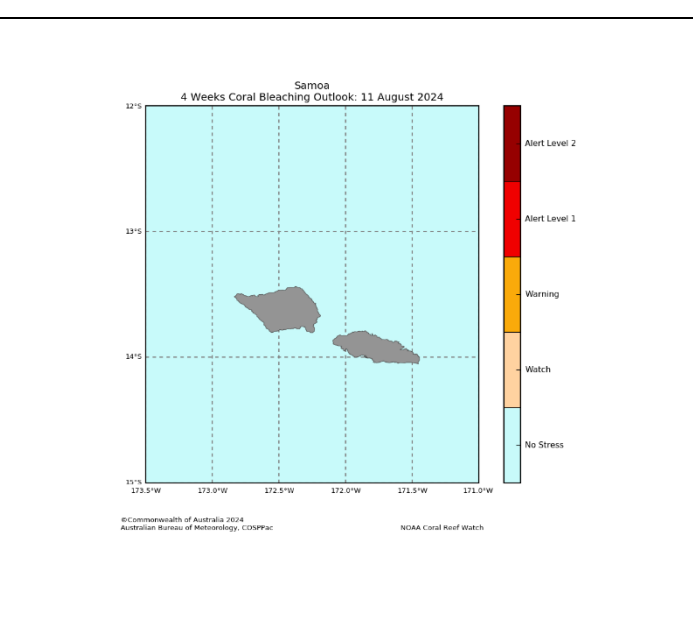


Part 2: Recent Ocean Observation

Monthly/Three months: July 2024 and May to July 2024

<p>Monthly: July 2024</p>	<p>Last three months: May to July 2024:</p>
<p>Sea Surface Temperature (Image 1):</p> <p>Samoa Monthly Average Sea Surface Temperature Anomaly: July 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSMOS Reynolds SST</p>	<p>Sea Surface Temperature (Image 4):</p> <p>Samoa 3 monthly Average Sea Surface Temperature Anomaly: May 2024 to July 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSMOS Reynolds SST</p>
<p>Sea level (Image 2):</p> <p>Samoa Monthly Near Real Time Sea Level Anomaly: July 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSMOS AVISO SeaWiFS/SeaWiFS SLA</p>	
<p>Daily coral bleaching alert (Image 3):</p> <p>Pacific Ocean Daily Coral Bleaching Alert: 04 August 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSMOS NOAA Coral Reef Watch</p>	<p>Samoa Daily Coral Bleaching Alert: 04 August 2024</p> <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSMOS NOAA Coral Reef Watch</p>

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

Monthly: September	Seasonal: September to November
<p>Monthly sea surface temperature (Image 5):</p> 	<p>Seasonal sea surface temperature (Image 6):</p> 
<p>Monthly sea level (Image 7):</p> 	<p>Seasonal sea level (Image 8):</p> 
<p>4-week Coral Bleaching (Image 9):</p> 	<p>Samoa 4 Weeks Coral Bleaching Outlook: 11 August 2024</p> 

Summary Statement

Monthly and last three months: July 2024/May to July 2024 statement

The rainfall for July and for the past three months, was *above normal* over Samoa. Nafanua recorded its 2nd wettest May to July on record and Faleolo with its 6th wettest on record.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for September and average over September to November is likely to be above normal over Samoa

Maximum and minimum temperatures during September and averaged over September to November are very likely to be above normal over Samoa

Part 2: Recent Ocean summary statement

Monthly and last three months: July 2024/May to July 2024

July ocean temperatures around Samoa's main Island were 1.0 to 2.0°C above normal

Averaged over May to July, ocean temperatures around Samoa's main Island were 1.0 to 2.0°C above normal

May sea levels around Samoa were 0mm to 100mm above normal

There is a 'no stress' coral bleaching for Samoa

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

Ocean Variable statement

September and averaged over September to November, Ocean temperatures around Samoa's main island are likely to be 0.4 to 0.8°C above normal.

September and averaged over September to November Sea levels around Samoa are predicted to be 30mm to 100mm below normal.

There is a 'no stress' coral bleaching for Samoa

IN BRIEF for Teleconference

- During July and from May to July rainfall was *above normal* cross Samoa.
- The rainfall outlook for September and September to November is likely to be *above normal* for Samoa
- SSTs were *above normal* for July and May to July. The outlook also shows *above normal* SSTs for the next one and three months
- Sea-surface heights (SSH) were *near-normal* for July. *Below normal* sea surface heights are predicted for August and August to November
- There is a 'no stress' coral bleaching for Samoa

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

Product	Date: July 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Age group	Comments (If there are comments from you Stakeholders)
EAR Watch	10th	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 Climate Outlook	10th	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	10th	RED Cross, Water Authority (SWA), Media, Health, Works &	65	27	38			

		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						
Total			65	27	38			