

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jan-2024	Feb-2024	Mar-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
	Apia (1890-2024)	381.2	259.0	194.5	263.8	363.0	
Afiamalu (1903-2024)	527.3	544.9	142.4	371.8	573.2	468.9	8/72
Nafanua (1965-2024)	465.5	333.0	131.5	299.4	390.2	340.6	5/52
Faleolo (1956-2024)	203.1	291.0	94.7	163.5	243.7	213.4	5/63

TABLE 2: Three-month Total Rainfall for January to March 2024

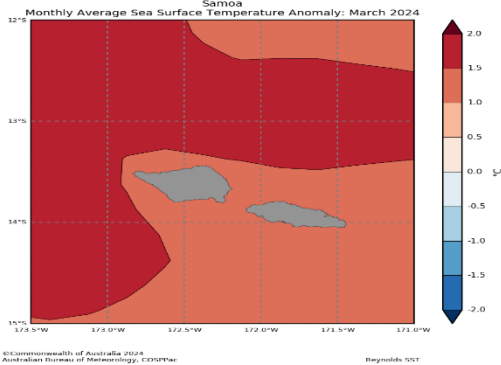
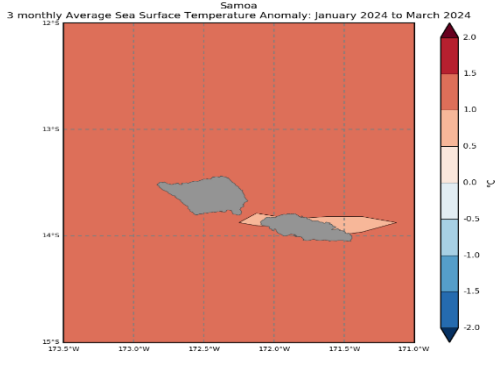
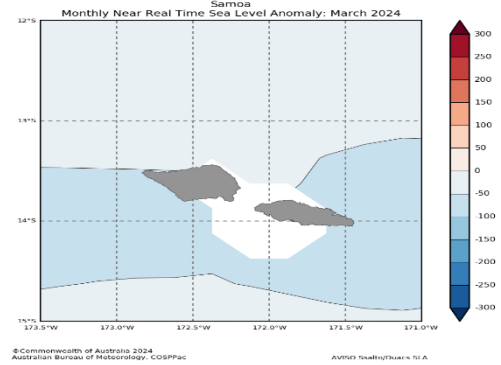
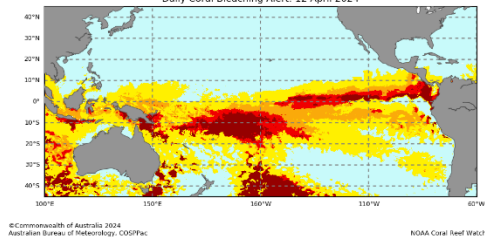
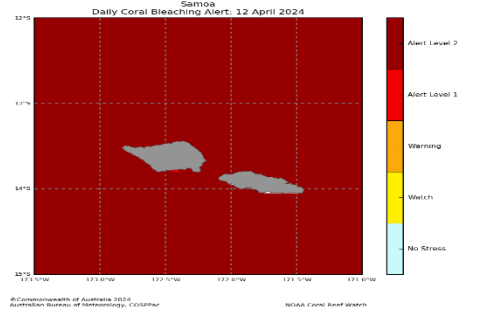
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2024)	834.7	Below normal	1004.7	1255.0	1131.0	23/135
Afiamalu (1903-2024)	1214.6	Below normal	1628.3	2113.4	1791.7	12/70
Nafanua (1965-2024)	930.0	Below normal	1101.9	1621.5	1303.3	8/50
Faleolo (1956-2024)	588.8	Below normal	705.4	900.7	795.8	11/63

Part 1i. Monthly and Seasonal Outlooks for May and May to July 2024

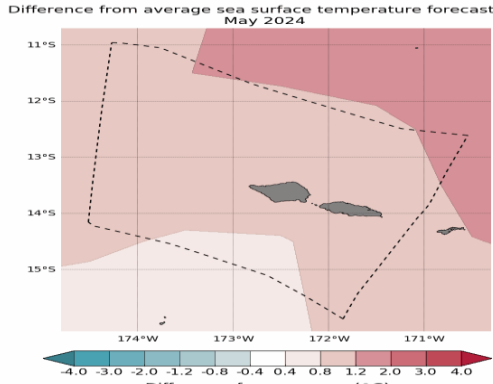
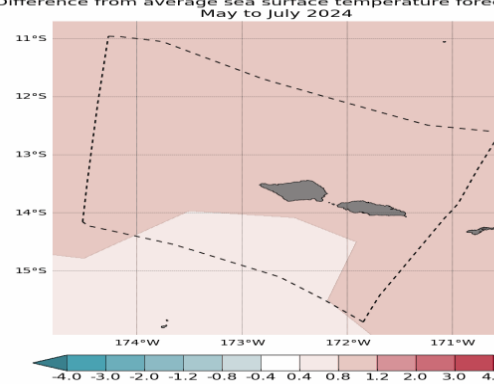
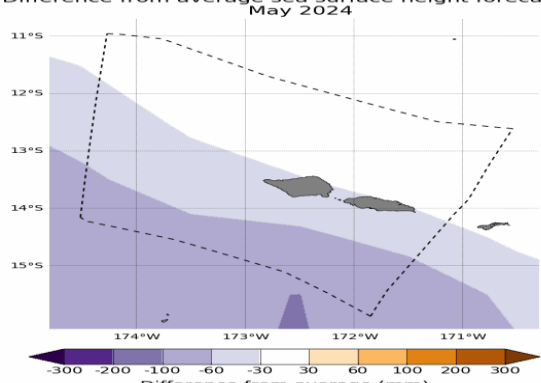
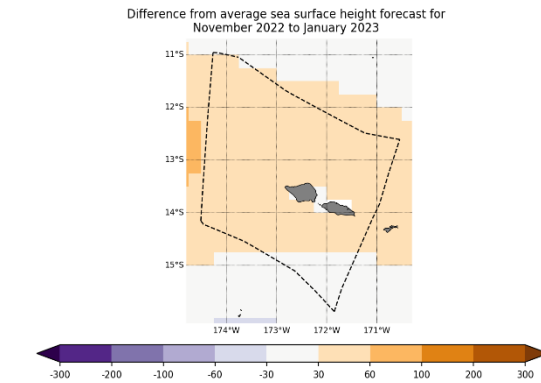
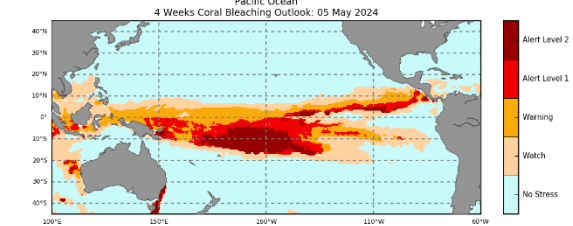
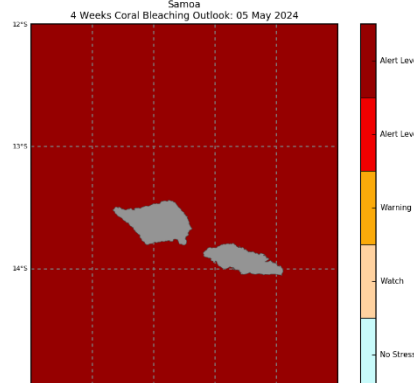
Monthly: May	Seasonal: May to July
Rainfall (Image 1)	Rainfall (Image 2)
<p>Tercile rainfall probabilities for May 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Copyright data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008M), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>	<p>Tercile rainfall probabilities for May to July 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Copyright data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008M), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
<p>Tercile maximum temperature probabilities for May 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Copyright data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008M), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>	<p>Tercile maximum temperature probabilities for May to July 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Copyright data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008M), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
<p>Tercile minimum temperature probabilities for May 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Copyright data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008M), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>	<p>Tercile minimum temperature probabilities for May to July 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Copyright data extracted from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008M), version 11. Available online at http://www.maritimerregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>

Part 2: Recent Ocean Observation

Monthly/Three months: March 2024 and January to March 2024

Monthly: March 2024	Last three months: January to March 2024:
Sea Surface Temperature (Image 1): <div></div>	Sea Surface Temperature (Image 4): <div></div>
Sea level (Image 2): <div></div>	
Daily coral bleaching alert (Image 3): <div></div>	<div></div>

Part 2i. Monthly and Seasonal Outlooks for May and May to July 2024

<p>Monthly: May</p> <p>Monthly sea surface temperature (Image 5):</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Seafloor Marine Institute (2019). Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimeregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>	<p>Seasonal: May to July</p> <p>Seasonal sea surface temperature (Image 6):</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Seafloor Marine Institute (2019). Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimeregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>
<p>Monthly sea level (Image 7):</p>  <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Seafloor Marine Institute (2019). Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.maritimeregions.org/</p> <p>Model run: 06/04/2024 Issued: 08/04/2024</p>	<p>Seasonal sea level (Image 8):</p>  <p>© Commonwealth of Australia 2022 Bureau of Meteorology</p> <p>Model: ACCESS-S2 Base Period: 1981-2018</p> <p>Model Run: 28/09/2022 Issued: 05/10/2022</p>
<p>4-week Coral Bleaching (Image 9):</p>  <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, CCSP/PhC</p> <p>NOAA Coral Reef Watch</p>	 <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, CCSP/PhC</p> <p>NOAA Coral Reef Watch</p>

Summary Statement

Monthly and last three months: March 2024/January to March 2024 statement

The rainfall for March and the past three months was *below normal* for all the stations. Nafanua and Faleolo registered their fifth driest march on record.

Part 1i. Monthly and Seasonal Outlooks for May and May to July 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for May and May to July is likely or very likely to be *above normal* over Samoa.

Maximum and minimum temperatures during May and averaged over May to July are very likely to be above normal over Samoa

Part 2: Recent Ocean summary statement

Monthly and last three months: March 2024/January to March 2024

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

Averaged over January to March, ocean temperatures around Samoa were 1.0 to 1.5°C above normal

March sea levels around Samoa were 50mm to 100mm below normal

Coral bleaching alert shows 'Alert level 2' status for Samoa.

Part 2i. Monthly and Seasonal Outlooks for May and May to July 2024

Ocean Variable statement

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

May and averaged over May to July sea levels around Samoa are predicted to be 30mm to 100mm below normal.

IN BRIEF for Teleconference

- During March and from January to March rainfall was below normal across Samoa.
- The rainfall outlook for May and May to July generally indicates above average conditions for Samoa
- SSTs were above normal for March and January to March. The outlook also shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSH) were near normal for February. Below normal sea surface heights are predicted for May and May to July
- Coral bleaching outlook predicts an alert level 1 warning for April and also for the four weeks outlook.

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

Product	Date: March 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
EAR Watch	4th	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	7th	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	4th	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,	65	27	38	

		Disaster Managers, Marines				
Climate Summary	4th	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	