

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2024	Jul-2024	Aug-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2024)	204.2	209.3	51.4	62.7	132.2	86.6	35/135
Afiamalu (1903-2024)	410.5	325.4	99.8	118.6	225.9	178.6	23/71
Nafanua (1965-2024)	258.3	203.8	57.6	68.4	141.5	94.6	12/53
Faleolo (1956-2024)	104.9	179.5	46.2	52.9	112.1	91.2	19/63

TABLE 2: Three-month Total Rainfall for June to August 2024

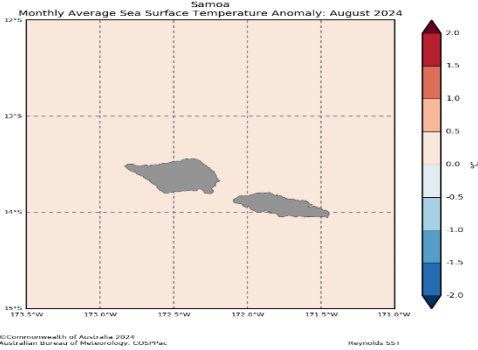
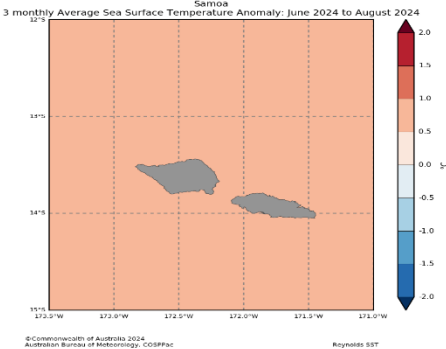
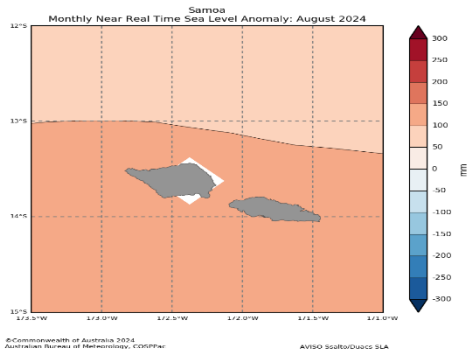
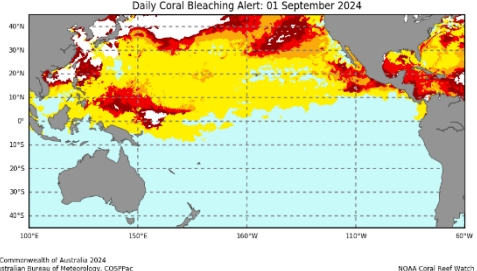
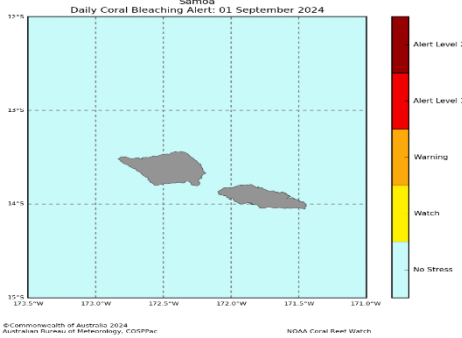
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2024)	464.9	Above normal	262.2	421.3	357.4	106/135
Afiamalu (1903-2024)	835.7	Above normal	510.6	672.6	608.2	57/69
Nafanua (1965-2024)	519.7	Above normal	368.4	504.3	414.3	40/53
Faleolo (1956-2024)	330.6	Normal	209.6	364.0	289.9	38/61

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2024

Monthly: October	Seasonal: October to December
Rainfall (Image 1)	Rainfall (Image 2)
<p>Tercile rainfall probabilities for October 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile rainfall probabilities for October to December 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
<p>Tercile maximum temperature probabilities for October 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile maximum temperature probabilities for October to December 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
<p>Tercile minimum temperature probabilities for October 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile minimum temperature probabilities for October to December 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 05/09/2024</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>40 50 60 70 80 90 Below normal (%)</p> <p>40 50 60 70 80 90 Near normal (%)</p> <p>40 50 60 70 80 90 Above normal (%)</p> <p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p>

Part 2: Recent Ocean Observation

Monthly/Three months: August 2024 and June to August 2024

<div>Monthly: August 2024</div> <div>Sea Surface Temperature (Image 1):</div> <div><div><div><div>Monthly Average Sea Surface Temperature Anomaly: August 2024</div><div></div><div><div>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</div><div>Reynolds SST</div></div></div></div></div> <div><div><div><div>3 monthly Average Sea Surface Temperature Anomaly: June 2024 to August 2024</div><div></div><div><div>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</div><div>Reynolds SST</div></div></div></div></div>	<div>Last three months: June to August 2024:</div> <div>Sea Surface Temperature (Image 4):</div>
<div>Sea level (Image 2):</div> <div><div><div><div>Monthly Near Real Time Sea Level Anomaly: August 2024</div><div></div><div><div>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</div><div>AVISO SeaWiFS/DACC SLA</div></div></div></div></div>	
<div>Daily coral bleaching alert (Image 3):</div> <div><div><div><div>Pacific Ocean Daily Coral Bleaching Alert: 01 September 2024</div><div></div><div><div>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</div><div>NOAA Coral Reef Watch</div></div></div></div></div>	<div><div><div><div>Samoa Daily Coral Bleaching Alert: 01 September 2024</div><div></div><div><div>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</div><div>NOAA Coral Reef Watch</div></div></div></div></div>

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2024

Monthly: October	Seasonal: October to December
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
<div><p>Difference from average sea surface temperature forecast for October 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 04/09/2024</p><p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>	<div><p>Difference from average sea surface temperature forecast for October to December 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 04/09/2024</p><p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
<div><p>Difference from average sea surface height forecast for October 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 04/09/2024</p><p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>	<div><p>Difference from average sea surface height forecast for October to December 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 02/09/2024 Issued: 04/09/2024</p><p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by COSPPac</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>
4-week Coral Bleaching (Image 9):	
<div><p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 11 August 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>	<div><p>Samoa 4 Weeks Coral Bleaching Outlook: 29 September 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>

## Summary Statement

### Monthly and last three months: August 2024/June to August 2024 statement

*Below normal* rainfall was recorded in Samoa throughout August. For June to August, rainfall was *above normal* over Apia, Afiamalu and Nafanua, while Faleolo experienced *near-normal* rainfall

## Part 1i. Monthly and Seasonal Outlooks for October and October to December 2024

### Monthly /Seasonal rainfall and temperature Outlook statements

Rainfall in October is likely to be above normal in the far eastern part of Upolu and across all of Savaii. In the western part of Upolu, the outlook offers little guidance.

The rainfall for October to December is likely to be above normal over the eastern part of Savaii and the western part of Upolu. For remaining areas, the outlook offers little guidance.

Maximum and minimum temperatures during October and averaged over October to December are very likely to be above normal over Samoa.

## Part 2: Recent Ocean summary statement

### Monthly and last three months: August 2024/June to August 2024

August ocean temperatures around Samoa's main Island were 0.0 to 0.5°C near normal.

Averaged over June to August, ocean temperatures around Samoa's main Island were 0.5 to 1.0°C above normal

August sea levels around Samoa were 50mm to 100mm above normal

There is a 'no stress' coral bleaching for Samoa.

## Part 2i. Monthly and Seasonal Outlooks for October and October to December 2024

### Ocean Variable statement

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

October and averaged over October to December 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

- Rainfall *below normal* for August, but over June to August, rainfall was mostly above normal.
- October rainfall is likely to be above normal over Savaii, while October to December rainfall is likely to be above normal over much of the country.
- SSTs were near normal for August and above normal for June to August. The outlook also shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSH) were above-normal for August. Below normal sea surface heights are predicted for October and October to December

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

Product	Date: August 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	29th	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	0	25-45	No comments
Seasonal Climate Outlook	29th	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	0	25-45	No comments
State of the Climate Report	25th	STA, MOH, MAF, DMO, RED, WRD,	15	10	5	0	25-45	No Comments

		GEF and ClimSA						
Ocean Outlook	29th	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	0	25-45	No comments
<b>Total</b>			<b>80</b>	<b>37</b>	<b>43</b>	<b>0</b>		