

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 219

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Sept-2025	Oct-2025	Nov-2025				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2025)	124.1	430.0	214.8	183.6	294.5	213.7	62/136
Afiamalu (1903-2025)	142.8	482.9	248.6	318.5	4662.6	373.7	14/73
Nafanua (1965-2025)	119.3	324.4	166.9	217.6	310.7	262.7	9/55
Faleolo (1956-2025)	105.4	194.0	218.8	155.9	217.0	177.8	44/64

TABLE 2: Three-month Total Rainfall for September to November 2025

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2025)	768.9	Above normal	494.6	682.9	605.3	107/136
Afiamalu (1903-2025)	874.3	Normal	796.7	1078.6	912.1	35/72
Nafanua (1965-2025)	610.6	Normal	590.0	760.4	670.6	22/53
Faleolo (1956-2025)	518.2	Normal	400.8	518.7	468.3	41/62

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2026

Monthly: January 2026	Seasonal: January to March 2026
<p>Rainfall (Image 1)</p> <p>Tercile rainfall probabilities for January 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Rainfall (Image 2)</p> <p>Tercile rainfall probabilities for January to March 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p>Monthly Maximum temperature (Image 3):</p>	<p>Seasonal maximum temperature (Image 4):</p>
<p>Tercile maximum temperature probabilities for January 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile maximum temperature probabilities for January to March 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p>Monthly minimum temperature (Image 5):</p>	<p>Seasonal minimum temperature (Image 6):</p>
<p>Tercile minimum temperature probabilities for January 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Tercile minimum temperature probabilities for January to March 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>

Part 2: Recent Ocean Observation

Monthly/Three months: November and September to November 2025

Monthly: November 2025	Last three months: September to November 2025
<p>Sea Surface Temperature Anomaly (Image 1):</p> <p>Monthly Average Sea Surface Temperature Anomaly: November 2025</p> <p>Samoa</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>	<p>Sea Surface Temperature Anomaly (Image 4):</p> <p>3 monthly Average Sea Surface Temperature Anomaly: September 2025 to November 2025</p> <p>Samoa</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>
<p>Sea level anomaly (Image 2):</p> <p>Monthly Near Real Time Sea Level Anomaly: November 2025</p> <p>Samoa</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>AVISO SsaltoDuckx SLA</p>	
<p>National daily coral bleaching alert (Image 3):</p> <p>Daily Coral Bleaching Alert: 05 December 2025</p> <p>Samoa</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	<p>Pacific daily coral bleaching alert (Image 5):</p> <p>Daily Coral Bleaching Alert: 05 December 2025</p> <p>Pacific Ocean</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

Part 2i. Monthly and Seasonal Outlooks for January and January to March 2026

Monthly: January 2026	Seasonal: January to March 2026
Monthly sea surface temperature anomaly (Image 5):	Seasonal sea surface temperature anomaly (Image 6):
<p>Difference from average sea surface temperature forecast for January 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019)</p>	<p>Difference from average sea surface temperature forecast for January to March 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019)</p>
Monthly sea level anomaly (Image 7):	Seasonal sea level anomaly (Image 8):
<p>Difference from average sea surface height forecast for January 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019)</p>	<p>Difference from average sea surface height forecast for January to March 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/12/2025 Issued: 08/12/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019)</p>
National 4-week Coral Bleaching Outlook (Image 9):	Pacific 4-week Coral Bleaching Outlook (Image 10):
<p>Samoa 4 Weeks Coral Bleaching Outlook: 04 January 2026</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	<p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 04 January 2026</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

Summary Statement

Monthly and last three months: November 2025/September to November 2025 statement

The rainfall for November was above normal over Faleolo, Normal for Apia and Below Normal was recorded Afiamalu and Nafanua. For the past three months, rainfall was Above Normal over Apia. Normal was recorded for Afiamalu, Nafanua and Faleolo.

Part 1i. Monthly and Seasonal Outlooks for January and January to March 2026

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for January 2026 is likely to be above normal over the Western and Central parts of Samoa. In the eastern region, the outlook offers little guidance.

The rainfall outlook for January to March 2026 offers little guidance as the chances of below, near and above normal are the same.

Maximum and minimum temperatures during January 2026 are very likely to be above normal over the rest of the country

Maximum and minimum temperatures averaged over January to March 2026 are very likely to be above normal for the rest of Samoa

Part 2: Recent Ocean summary statement

Monthly and last three months: November 2025/September to November 2025

November sea surface temperatures (SSTs) over Samoa were 0.5°C to 1.0°C above normal.

Averaged over September to November, sea surface temperature for Samoa were 0.5°C to 1.0°C above normal.

November sea levels for Samoa were 100 to 150 mm above normal.

A coral bleaching Watch status is currently in effect for all of Samoa as of 05th December 2025.

Part 2i. Monthly and Seasonal Outlooks for January and January to March 2026

Ocean Variable statement

January 2026 sea surface temperatures for all of Samoa are predicted to be between -0.4 to +0.4°C (near-normal)

Averaged over January to March 2026, sea surface temperatures for Samoa are predicted to be 0.4 to 0.8°C above normal.

January 2026 sea levels around the Eastern region (Upolu) are predicted to be 30 to 60 mm below normal.

Averaged over January to March 2026, sea levels around Samoa are predicted to be -30 to 30 mm (near-normal)

Coral Bleaching outlook indicates Warning status for the next 12 weeks.

In brief for Teleconference

- Rainfall was below normal for Afiamalu and Nafanua whereas Faleolo received above normal rainfall and Apia receiving normal rainfall. For September to November, Apia recorded above normal while the rest of the stations recorded normals.
- The rainfall outlook generally indicates above normal most likely in January 2026 but little guidance for total rainfall over January to March 2026.
- SSTs were above normal for November and September to November. The outlook shows normal and above normal SSTs for the next one and three months respectively.
- Sea levels were above normal for November. Above normal and near normal sea levels are predicted for January and January to March 2026 respectively.
- Coral Bleaching Watch for Samoa as of December 05th 2025

TABLE 3: Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders (November 2025)

Product	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Comments (If there are comments from you Stakeholders)
Climate Bulletin						
EAR Watch	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	-	-
Monthly Climate Briefing						
Ocean Outlook	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure,	65	27	38	-	-

	Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines					
Climate data request	Airport Authority, NUS, FICO Construction	3	2	1	-	-
Total		69	29	39	-	-

Stakeholder category	Do your products reach this group? (Y/N)	Tailored product? (Y/N)
Agriculture sector	Y	N
Disaster Risk Reduction sector	Y	N
Energy sector	Y	Y
Health sector	Y	N
Water sector	Y	Y
Fisheries and Aquaculture sector	Y	N
Tourism sector	Y	N
Maritime sector	Y	N
Research & education sector	Y	N
Women's <input type="checkbox"/> organisations	Y	N
National disability organisations	N	N
Community based organisations (e.g. councils)	N	N
Products offered in local dialects/ languages	N	N