

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 220

Country: SAMOA

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2025	Nov-2025	Dec-2025				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2026)	430.0	214.8	267.9	314.1	452.9	373.8	40/135
Afiamalu (1903-2026)	482.9	248.6	488.3	494.0	704.9	577.8	27/73
Nafanua (1965-2026)	324.4	166.9	280.3	359.1	507.3	429.7	10/51
Faleolo (1956-2026)	194.0	218.8	155.5	223.6	311.6	270.2	12/64

TABLE 2: Three-month Total Rainfall for October to December 2025

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2026)	912.7	Normal	737.1	914.5	819.8	90/135
Afiamalu (1903-2026)	1219.8	Normal	1219.6	1498.2	1346.4	28/72
Nafanua (1965-2026)	771.6	Below normal	843.4	1044.1	955.0	13/50
Faleolo (1956-2026)	568.3	Normal	554.9	712.5	639.5	23/63

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2026

Monthly: February 2026	Seasonal: February to April 2026
<p>Rainfall (Image 1)</p> <p>Tercile rainfall probabilities for February 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 12/01/2026 Issued: 14/01/2026</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Rainfall (Image 2)</p> <p>Tercile rainfall probabilities for February to April 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 12/01/2026 Issued: 14/01/2026</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p>Monthly Maximum temperature (Image 3):</p> <p>Tercile maximum temperature probabilities for February 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 12/01/2026 Issued: 14/01/2026</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Seasonal maximum temperature (Image 4):</p> <p>Tercile maximum temperature probabilities for February to April 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 12/01/2026 Issued: 14/01/2026</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p>Monthly minimum temperature (Image 5):</p> <p>Tercile minimum temperature probabilities for February 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 12/01/2026 Issued: 14/01/2026</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p>Seasonal minimum temperature (Image 6):</p> <p>Tercile minimum temperature probabilities for February to April 2026</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 12/01/2026 Issued: 14/01/2026</p> <p>© Commonwealth of Australia 2024, Bureau of Meteorology, supported by CSIRO</p> <p>173°W 172°W 171°W</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>

Part 2: Recent Ocean Observation

Monthly/Three months: December and October to December 2025

Monthly: December 2025	Last three months: October to December 2025
<p>Sea Surface Temperature Anomaly (Image 1):</p>	<p>Sea Surface Temperature Anomaly (Image 4):</p>
<p>Sea level anomaly (Image 2):</p>	
<p>National daily coral bleaching alert (Image 3):</p>	<p>Pacific daily coral bleaching alert (Image 5):</p>

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2026

Monthly: February 2026	Seasonal: February to April 2026
<p>Monthly sea surface temperature anomaly (Image 5):</p> <p>Samoa Monthly Sea Surface Temperature Anomalies: February 2026</p> <p>© Pacific Community (SPC) 2025</p>	<p>Seasonal sea surface temperature anomaly (Image 6):</p> <p>Difference from average sea surface temperature forecast for February to April 2026</p> <p>© Commonwealth of Australia 2026, Bureau of Meteorology, supported by COSPPac</p>
<p>Monthly sea level anomaly (Image 7):</p> <p>Difference from average sea surface height forecast for February 2026</p> <p>© Commonwealth of Australia 2026, Bureau of Meteorology, supported by COSPPac</p>	<p>Seasonal sea level anomaly (Image 8):</p> <p>Difference from average sea surface height forecast for February to April 2026</p> <p>© Commonwealth of Australia 2026, Bureau of Meteorology, supported by COSPPac</p>
<p>National 4-week Coral Bleaching Outlook (Image 9):</p> <p>Samoa 4 Week Coral Bleaching Outlook: 2 February 2026</p> <p>© Pacific Community (SPC) 2025</p>	<p>Pacific 4-week Coral Bleaching Outlook (Image 10):</p> <p>Pacific Islands 4 Week Coral Bleaching Outlook: 2 February 2026</p> <p>© Pacific Community (SPC) 2025</p>

Summary Statement

Monthly and last three months: December 2025/October to December 2025 statement

The rainfall for December was below normal across all stations over Samoa. For the past three months, rainfall was near normal for all stations except Nafanua which recorded below normal rainfall.

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2026

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for February 2026 is likely above normal over all the islands of Samoa.

For February to April, the outlook offers little guidance OR shows February to April 2026 rainfall is likely to be near-normal.

Maximum and minimum temperatures during February 2026 are very likely to be above normal over Samoa.

Maximum and minimum temperatures averaged over February to April 2026 are very likely to be above normal over Samoa.

Part 2: Recent Ocean summary statement

Monthly and last three months: December 2025/October to December 2025

December sea surface temperatures (SSTs) around Samoa were 0.8 to 1.2°C above normal.

Averaged over October to December, sea surface temperatures around Samoa were 0.4 to 0.8°C above-normal.

December sea levels around the two main islands were generally –30 to 30mm near-normal.

A coral bleaching Watch status is currently in effect for Samoa as of 16th of January.

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2026

Ocean Variable statement

February 2026 sea surface temperatures around Samoa are predicted to be -0.4 to 0.4°C near normal.

Averaged over February to April 2026, sea surface temperatures around Samoa are predicted to be 0.4 to 0.8°C above normal.

February 2026 sea levels around Samoa are predicted to be -30 to 30 mm near-normal.

Averaged over February to April 2026, sea levels around the two main islands and to the south are predicted to be -30 to 30 mm near-normal. Meanwhile, waters to the far north of the islands, sea levels are forecasted to be 30 to 60mm above normal.

Coral Bleaching outlook indicates Watch status for the next 4 weeks.

In brief for Teleconference

- Rainfall was below normal for December and normal for the period October to December, except Nafanua which recorded below normal for the same period.
- The rainfall outlook generally indicates above normal is likely to occur in February 2026 but the outlook has little guidance for total rainfall over February to April 2026.
- SSTs were above normal for December and October to December. The outlook shows nearnormal SSTs for the next one and three months.
- Sea levels were above normal for December. Sea levels are predicted to be near-normal for February and near-normal to above normal for February to April 2026.

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	N/A					
EAR Watch	N/A					
Monthly Climate Briefing	N/A					
Ocean Outlook	N/A					
Climate data request	N/A					
Total						

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	N
Health sector	Y	N
Water sector	Y	N
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	Y	N
Community based organisations (e.g. councils)	N	N
Products offered in local dialects/ languages	N	N