

Country: Samoa

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Oct-2024	Nov-2024	Dec-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Apia (1890-2024)	237.0	278.3	437.6	281.0	435.0	372.5	90/134
Afiamalu (1903-2024)	409.5	373.7	601.9	454.6	704.9	546.5	39/72
Nafanua (1965-2024)	321.7	291.8	584.3	356.1	502.0	427.7	41/50
Faleolo (1956-2024)	303.2	123.3	281.1	221.6	315.0	268.0	34/63

TABLE 2: Three-month Total Rainfall for October to December 2024

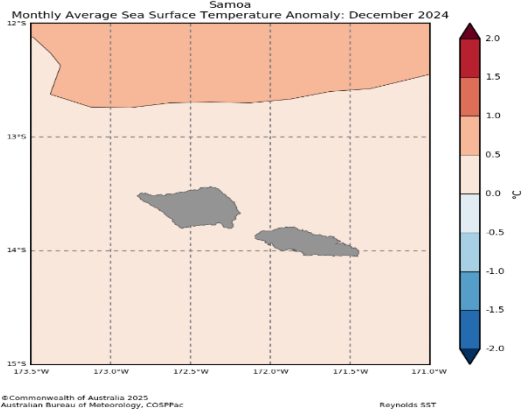
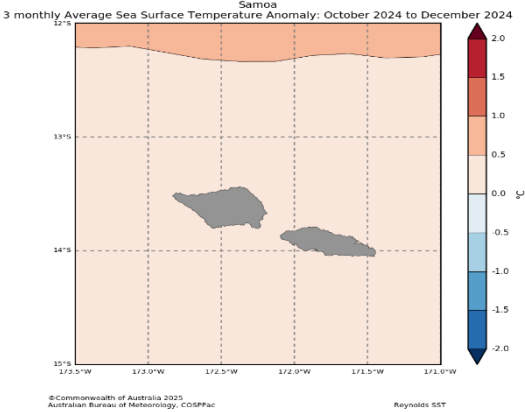
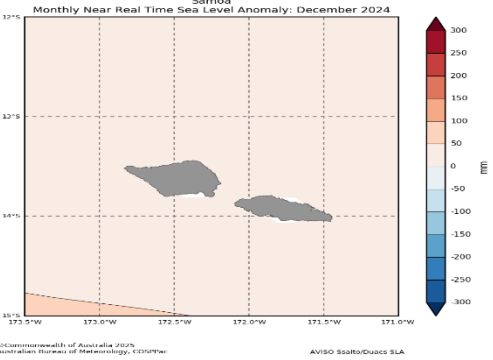
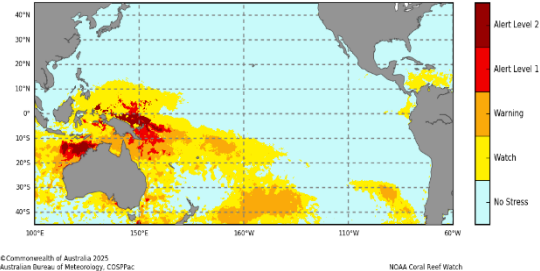
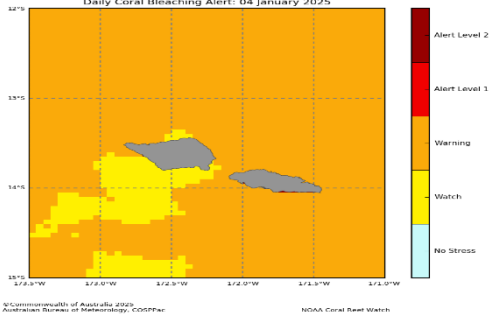
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Apia (1890-2024)	952.9	Above normal	718.2	900.7	819.8	96/134
Afiamalu (1903-2024)	1385.1	Normal	1179.2	1463.6	1318.0	41/71
Nafanua (1965-2024)	1197.8	Above normal	838.8	1032.4	949.7	39/49
Faleolo (1956-2024)	707.6	Normal	553.2	714.9	634.3	41/62

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2025

<div>Monthly: February</div> <div>Rainfall (Image 1)</div> <div><p>Tercile rainfall probabilities for February 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 09/01/2025</p><p>© Commonwealth of Australia 2025, 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></div>	<div>Seasonal: February to April</div> <div>Rainfall (Image 2)</div> <div><p>Tercile rainfall probabilities for February to April 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 09/01/2025</p><p>© Commonwealth of Australia 2025, 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></div>
<div>Monthly Maximum temperature (Image 3):</div> <div><p>Tercile maximum temperature probabilities for February 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 09/01/2025</p><p>© Commonwealth of Australia 2025, 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></div>	<div>Seasonal maximum temperature (Image 4):</div> <div><p>Tercile maximum temperature probabilities for February to April 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 09/01/2025</p><p>© Commonwealth of Australia 2025, 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></div>
<div>Monthly minimum temperature (Image 5):</div> <div><p>Tercile minimum temperature probabilities for February 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 09/01/2025</p><p>© Commonwealth of Australia 2025, 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></div>	<div>Seasonal minimum temperature (Image 6):</div> <div><p>Tercile minimum temperature probabilities for February to April 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 09/01/2025</p><p>© Commonwealth of Australia 2025, 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></div>

Part 2: Recent Ocean Observation

Monthly/Three months: December 2024 and October to December 2024

<p>Monthly: December 2024</p> <p>Sea Surface Temperature Anomaly (Image 1):</p>  <p>Monthly Average Sea Surface Temperature Anomaly: December 2024</p> <p>Samoa</p> <p>12°S</p> <p>13°S</p> <p>14°S</p> <p>15°S</p> <p>172.5°W</p> <p>172.0°W</p> <p>171.5°W</p> <p>171.0°W</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>Reynolds SST</p>	<p>Last three months: October to December 2024:</p> <p>Sea Surface Temperature Anomaly (Image 4):</p>  <p>3 monthly Average Sea Surface Temperature Anomaly: October 2024 to December 2024</p> <p>Samoa</p> <p>12°S</p> <p>13°S</p> <p>14°S</p> <p>15°S</p> <p>172.5°W</p> <p>172.0°W</p> <p>171.5°W</p> <p>171.0°W</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: December 2024</p> <p>Samoa</p> <p>12°S</p> <p>13°S</p> <p>14°S</p> <p>15°S</p> <p>172.5°W</p> <p>172.0°W</p> <p>171.5°W</p> <p>171.0°W</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>AVISO SeaWiFS/QuikSCAT SLA</p>	
<p>Daily coral bleaching alert (Image 3):</p>  <p>Pacific Ocean</p> <p>Daily Coral Bleaching Alert: 04 January 2025</p> <p>40°N</p> <p>30°N</p> <p>20°N</p> <p>10°N</p> <p>0°</p> <p>10°S</p> <p>20°S</p> <p>30°S</p> <p>40°S</p> <p>180°E</p> <p>150°E</p> <p>120°E</p> <p>90°E</p> <p>60°E</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>	 <p>Samoa</p> <p>Daily Coral Bleaching Alert: 04 January 2025</p> <p>12°S</p> <p>13°S</p> <p>14°S</p> <p>15°S</p> <p>172.5°W</p> <p>172.0°W</p> <p>171.5°W</p> <p>171.0°W</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 February and February to April 2025

Monthly: February	Seasonal: February to April
Monthly sea surface temperature anomaly (Image 5):	Seasonal sea surface temperature anomaly (Image 6):
<div><p>Difference from average sea surface temperature forecast for February 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 08/01/2025</p><p>© Commonwealth of Australia 2025, 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 February to April 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 08/01/2025</p><p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by COSPPac</p><p>-- -- EEZ border V11 (Flanders Marine Institute, 2019).</p></div>
Monthly sea level anomaly (Image 7):	Seasonal sea level anomaly (Image 8):
<div><p>Difference from average sea surface height forecast for February 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 08/01/2025</p><p>© Commonwealth of Australia 2025, 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 February to April 2025</p><p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 06/01/2025 Issued: 08/01/2025</p><p>© Commonwealth of Australia 2025, 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: 26 January 2025</p><p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>	<div><p>Samoa 4 Weeks Coral Bleaching Outlook: 26 January 2025</p><p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>

Summary Statement

Monthly and last three months: December 2024/October to December 2024 statement

The rainfall for December and October to December was above normal over Apia and Nafanua while Afiamalu and Faleolo received normal rainfall.

Part 1i. Monthly and Seasonal Outlooks for February and February to April 2025

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for February is likely to be *below normal* over Samoa. The rainfall for February to April period is likely to be *below normal* over Samoa. The outlook also offers little guidance over the far north western part of Upolu and the far eastern part of Savaii

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

Part 2: Recent Ocean summary statement

Monthly and last three months: December 2024/October to December 2024

December sea surface temperatures (SSTs) around Samoa's main Island were 0.0 to 1.0°C above normal.

Averaged over October to December, sea surface temperatures around Samoa's main Island were 0.5 to 1.0°C above normal

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

A coral bleaching 'Warning' status is currently in effect for Samoa as of 4 January 2025.

Part 2i. Monthly and Seasonal Outlooks for February and February to April 2025

Ocean Variable statement

February and averaged over February to April, sea surface temperatures around Samoa's main island are likely to be 0.4°C to 0.8°C near normal.

February and averaged over February to April, sea levels around Samoa are predicted to be 30mm to 100mm below normal

Coral Bleaching outlook indicates a warning status for the next 12 weeks for Samoa.

IN BRIEF for Teleconference

- Rainfall was normal to above for December and October to December.
- The rainfall outlook generally indicates below normal conditions for February and February to April
- SSTs were above normal for December and October to December. The outlook shows above normal SSTs for the next one and three months.
- Sea levels were above normal for December. Below normal sea levels are predicted for February and February to April.

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

Product	Date: December 2024	Stakeholder	Total Number of Participant s	Number of Male	Number of Female	Disability	Age group	Comment s (If there are comments from you Stakehold ers)
Disaster Advisory Committee Meeting								
Total								