

# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 209

Country: Niue

Part 1: Recent climate

**TABLE 1: Monthly Rainfall**

Station (include data period)	Nov-2024	Dec-2024	Jan-2025				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Hanan Airport (1905-2025)	183.8	155.2	502.7	197.0	336.5	262.1	109/112

**TABLE 2: Three-month Total Rainfall for November 2024 to January 2025**

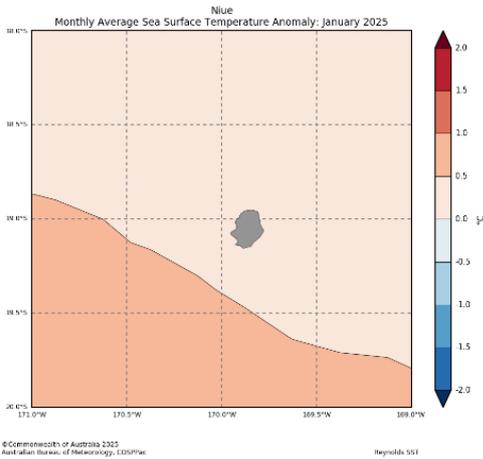
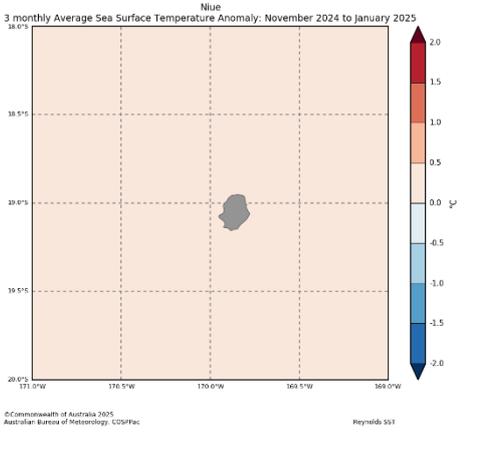
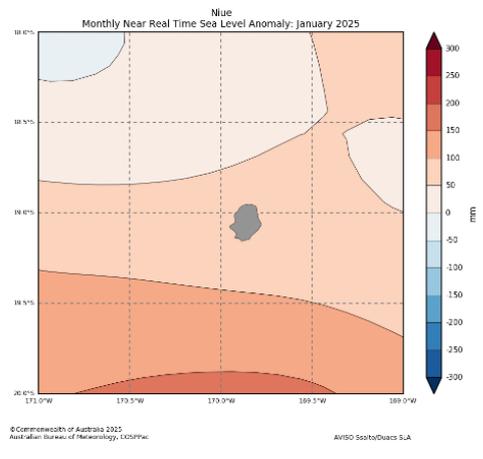
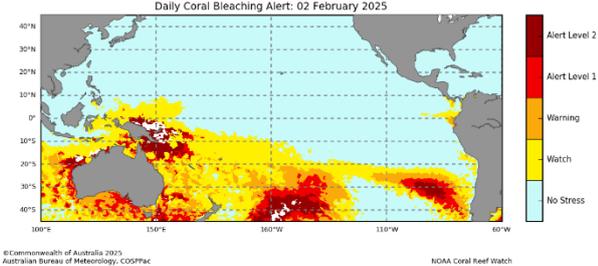
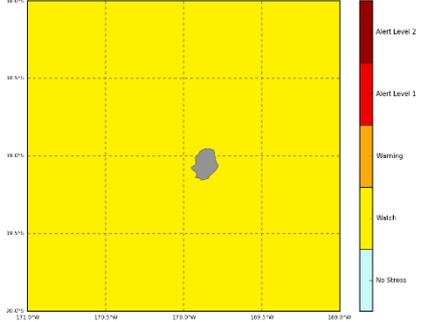
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Hanan Airport (1905-2025)	841.7	Above normal	510.6	712.5	610.0	93/119

# Part 1i. Monthly and Seasonal Outlooks for March and March to May 2025

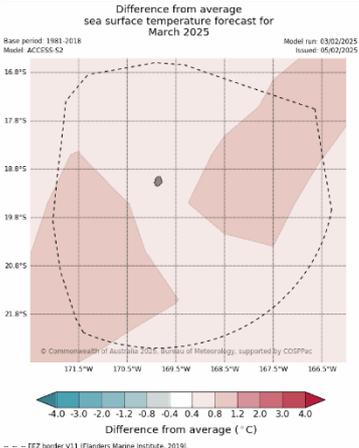
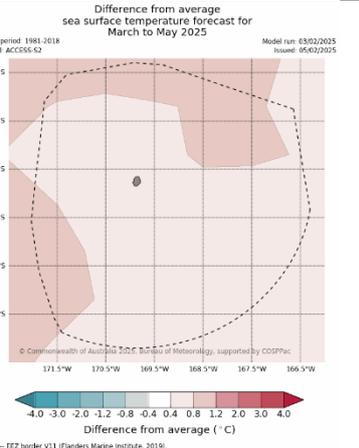
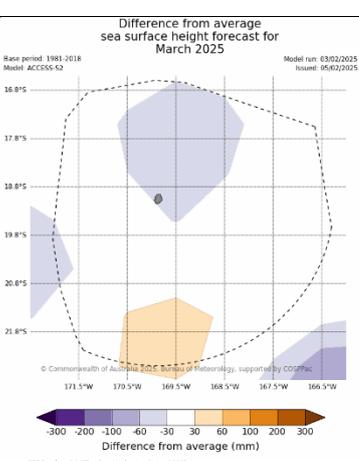
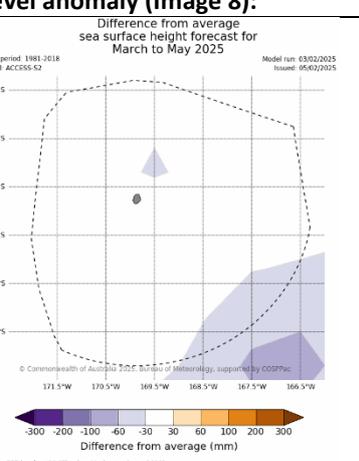
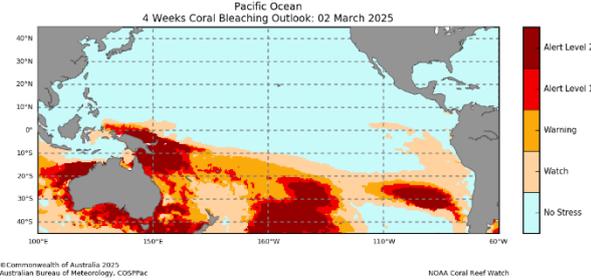
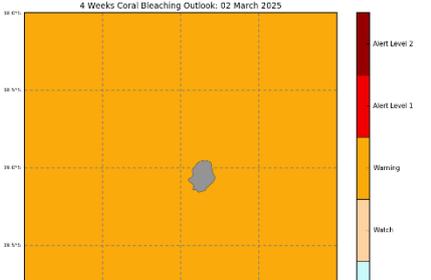
<p><b>Monthly: March</b> <b>Rainfall (Image 1)</b></p>	<p><b>Seasonal: March to May</b> <b>Rainfall (Image 2)</b></p>
<p>Tercile rainfall probabilities for March 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p>	<p>Tercile rainfall probabilities for March to May 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p>
<p><b>Monthly Maximum temperature (Image 3):</b></p>	<p><b>Seasonal maximum temperature (Image 4):</b></p>
<p>Tercile maximum temperature probabilities for March 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p>	<p>Tercile maximum temperature probabilities for March to May 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p>
<p><b>Monthly minimum temperature (Image 5):</b></p>	<p><b>Seasonal minimum temperature (Image 6):</b></p>
<p>Tercile minimum temperature probabilities for March 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p>	<p>Tercile minimum temperature probabilities for March to May 2025</p> <p>Base period: 1981-2018 Model: ACCESS-S2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025, Bureau of Meteorology, supported by CSIRO</p>

# Part 2: Recent Ocean Observation

## Monthly/Three months: January 2025 and November 2024 to January 2025

Monthly: January 2025	Last three months: November 2024 to January 2025:
<p><b>Sea Surface Temperature Anomaly (Image 1):</b></p>  <p>Niue Monthly Average Sea Surface Temperature Anomaly: January 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, CSIRO/Phac Reynolds SST</p>	<p><b>Sea Surface Temperature Anomaly (Image 4):</b></p>  <p>Niue 3 monthly Average Sea Surface Temperature Anomaly: November 2024 to January 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, CSIRO/Phac Reynolds SST</p>
<p><b>Sea level anomaly (Image 2):</b></p>  <p>Niue Monthly Near Real Time Sea Level Anomaly: January 2025</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, CSIRO/Phac AVISO SeaWiFS/Quos S.A.</p>	
<p><b>Daily coral bleaching alert (Image 3):</b></p>  <p>Pacific Ocean Daily Coral Bleaching Alert: 02 February 2025</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, CSIRO/Phac NOAA Coral Reef Watch</p>	 <p>Niue Daily Coral Bleaching Alert: 02 February 2025</p> <p>Alert Level 2 Alert Level 1 Warning Watch No Stress</p> <p>©Commonwealth of Australia 2025 Australian Bureau of Meteorology, CSIRO/Phac NOAA Coral Reef Watch</p>

# Part 2i. Monthly and Seasonal Outlooks for March and March to May 2025

Monthly: March	Seasonal: March to May
<p><b>Monthly sea surface temperature anomaly (Image 5):</b></p>  <p>Difference from average sea surface temperature forecast for March 2025</p> <p>Base period: 1981-2018 Model: ACCESS-G2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025. Bureau of Meteorology, supported by COSPPac</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p><b>Seasonal sea surface temperature anomaly (Image 6):</b></p>  <p>Difference from average sea surface temperature forecast for March to May 2025</p> <p>Base period: 1981-2018 Model: ACCESS-G2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025. Bureau of Meteorology, supported by COSPPac</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p><b>Monthly sea level anomaly (Image 7):</b></p>  <p>Difference from average sea surface height forecast for March 2025</p> <p>Base period: 1981-2018 Model: ACCESS-G2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025. Bureau of Meteorology, supported by COSPPac</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>	<p><b>Seasonal sea level anomaly (Image 8):</b></p>  <p>Difference from average sea surface height forecast for March to May 2025</p> <p>Base period: 1981-2018 Model: ACCESS-G2 Model run: 03/02/2025 Issued: 05/02/2025</p> <p>© Commonwealth of Australia 2025. Bureau of Meteorology, supported by COSPPac</p> <p>--- EEZ border V11 (Flanders Marine Institute, 2019).</p>
<p><b>4-week Coral Bleaching (Image 9):</b></p>  <p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 02 March 2025</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><b>4-week Coral Bleaching (Image 9):</b></p>  <p>Niue 4 Weeks Coral Bleaching Outlook: 02 March 2025</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: January 2025/November 2024 to January 2025 statement

Hanan Airport's January and November to January rainfall was above normal. The station recorded its fourth wettest January on record.

## Part 1i. Monthly and Seasonal Outlooks for March and March to May 2025

### Monthly /Seasonal rainfall and temperature Outlook statements

Niue's March and March to May rainfall is likely to be above normal.

Maximum and minimum temperatures during March and averaged over March to May are very likely to be above normal.

## Part 2: Recent Ocean summary statement

### Monthly and last three months: January 2025/November 2024 to January 2025

January and averaged over November to January 2025 Sea surface temperatures (SSTs) around Niue were 0.0 to 0.5°C near normal.

January sea levels around Niue were 50 to 150 mm above normal.

A coral bleaching watch alert for Niue.

## Part 2i. Monthly and Seasonal Outlooks for March and March to May 2025

### Ocean Variable statement

March and averaged over March to May, sea surface temperatures around Niue are predicted to be 0.8 to 1.2°C above normal.

March and averaged over March to May, sea levels around Niue are predicted to be 60 to 30mm below normal to near normal.

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

### In brief for Teleconference

- Rainfall was above normal for January and November to January.
- The rainfall outlook generally indicates above normal rainfall for March and March to May.
- SSTs for January and averaged over November to January were near normal. The outlook shows above normal SSTs for the next one and three months.
- Sea levels were above normal for March. Below normal to near normal sea levels are predicted for March and March to May.
- Coral bleaching is at a warning status for Niue

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

Product	Date: January 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Disability	Age group	Comments (If there are comments from you Stakeholders)
Climate Bulletin	28 Jan 25	Government all staff	630	320	310			
EAR Watch		General Public						
Monthly Climate Briefing								
Ocean Outlook								
Climate data request	15 Jan 25	Water Sector	1	0	1			
<b>Total</b>			<b>631</b>	<b>320</b>	<b>311</b>			