

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

Country: Chuuk, FSM

Part 1: Recent climate

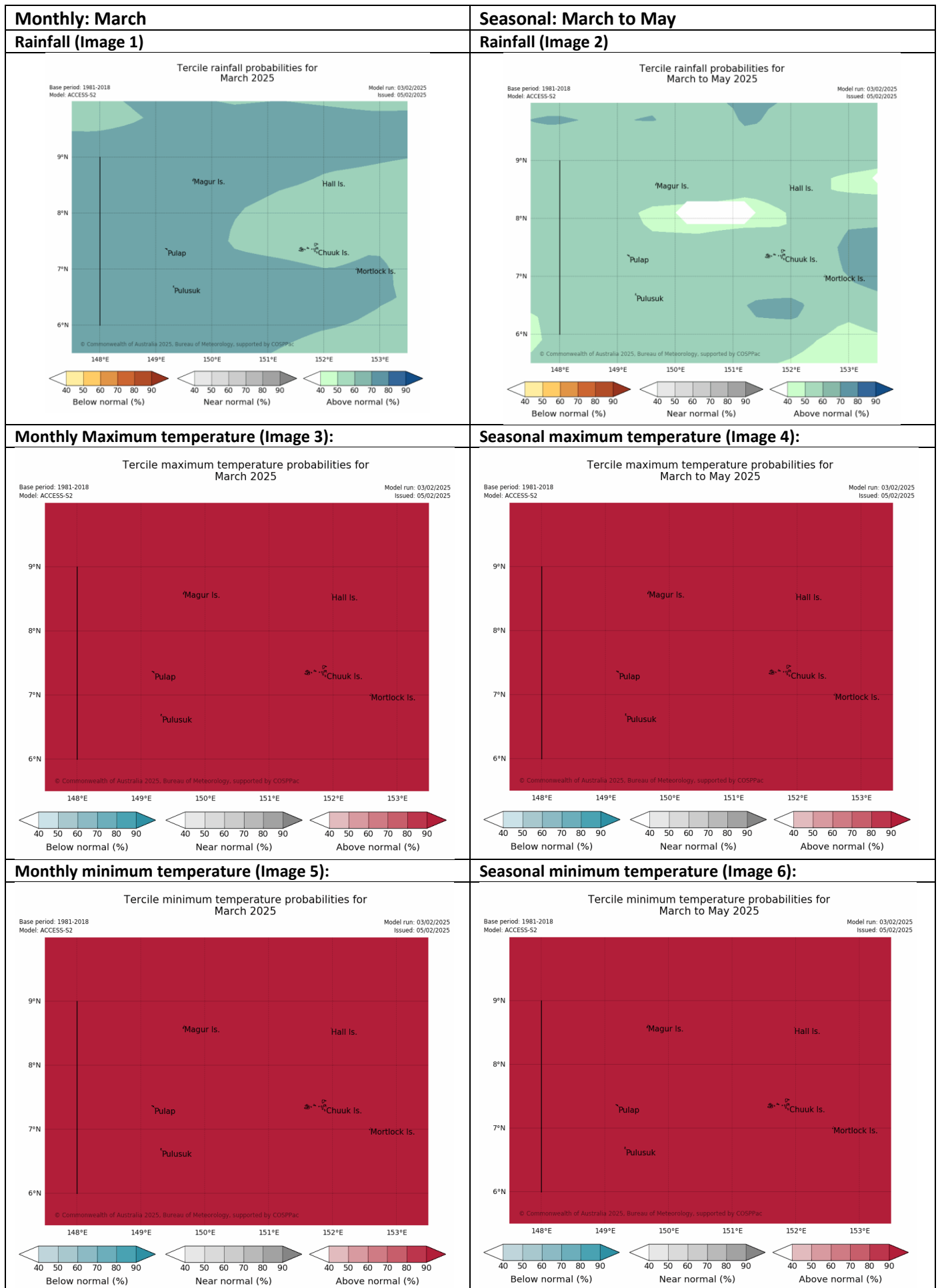
TABLE 1: Monthly Rainfall

Station (include data period)	Nov-2024	Dec-2024	Jan-2025				Rank
			Total (mm)	33%tile	67%tile	Median	
	Total (mm)	Total (mm)	Rainfall (mm)				
Chuuk (1946-2025)	248.2	378.0	111.5	195.4	269.1	239.4	11/77

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

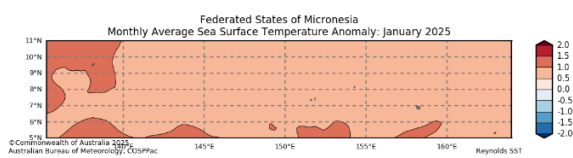
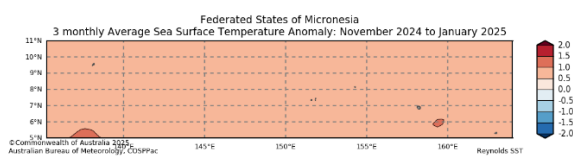
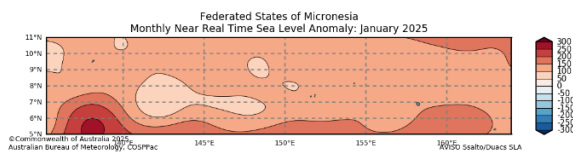
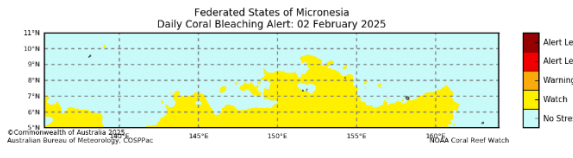
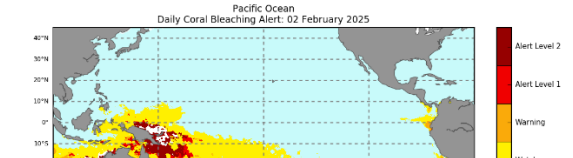
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Chuuk (1946-2025)	737.7	Below normal	768.3	949.2	848.3	24/77

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

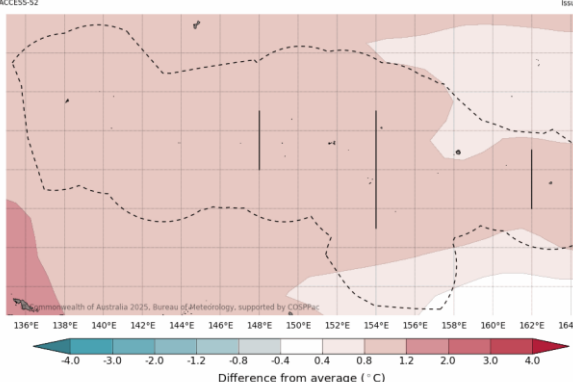
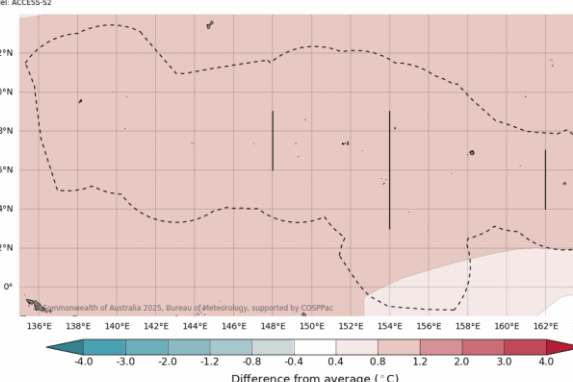


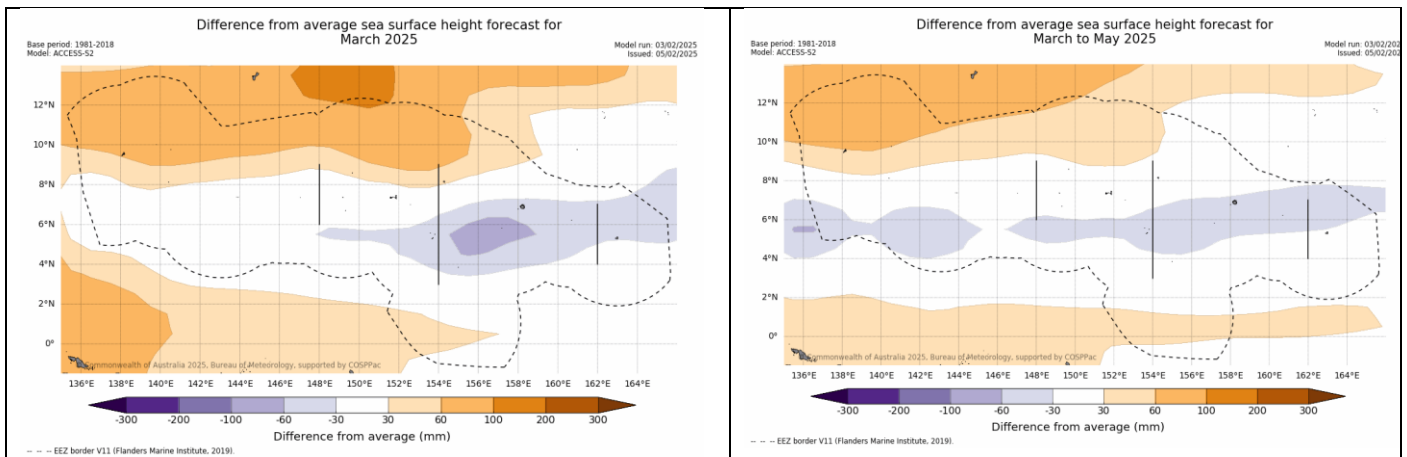
Part 2: Recent Ocean Observation

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

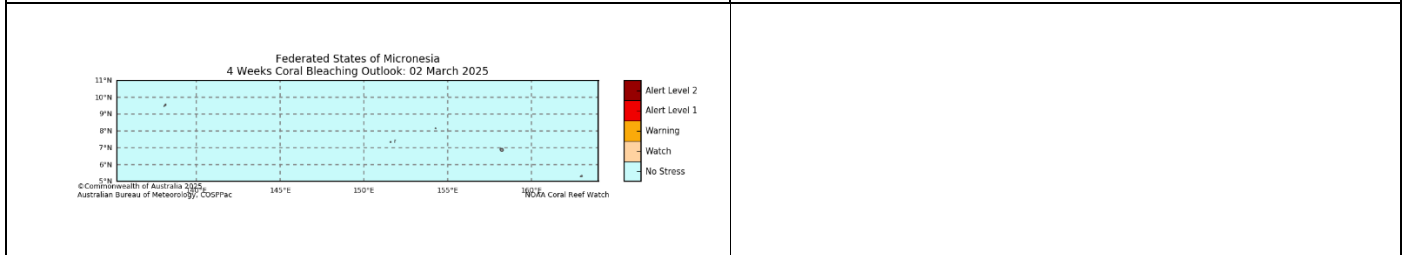
<p>Monthly: January 2025</p>	<p>Last three months: November 2024 to January 2025:</p>
<p>Sea Surface Temperature Anomaly (Image 1):</p>  <p>Federated States of Micronesia Monthly Average Sea Surface Temperature Anomaly: January 2025</p> <p>© Commonwealth of Australia 2025, Australian Bureau of Meteorology, COSPPac</p>	<p>Sea Surface Temperature Anomaly (Image 4):</p>  <p>Federated States of Micronesia 3 monthly Average Sea Surface Temperature Anomaly: November 2024 to January 2025</p> <p>© Commonwealth of Australia 2025, Australian Bureau of Meteorology, COSPPac</p>
<p>Sea level anomaly (Image 2):</p>  <p>Federated States of Micronesia Monthly Near Real Time Sea Level Anomaly: January 2025</p> <p>© Commonwealth of Australia 2025, Australian Bureau of Meteorology, COSPPac</p>	
<p>Daily coral bleaching alert (Image 3):</p>  <p>Federated States of Micronesia Daily Coral Bleaching Alert: 02 February 2025</p> <p>© Commonwealth of Australia 2025, Australian Bureau of Meteorology, COSPPac</p>	<p>Daily coral bleaching alert (Image 6):</p>  <p>Pacific Ocean Daily Coral Bleaching Alert: 02 February 2025</p> <p>© Commonwealth of Australia 2025, Australian Bureau of Meteorology, COSPPac</p>

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

<p>Monthly: March</p>	<p>Seasonal: March to May</p>
<p>Monthly sea surface temperature anomaly (Image 5):</p>  <p>Difference from average sea surface temperature forecast 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 COSPPac</p>	<p>Seasonal sea surface temperature anomaly (Image 6):</p>  <p>Difference from average sea surface temperature forecast 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 COSPPac</p>
<p>Monthly sea level anomaly (Image 7):</p>	<p>Seasonal sea level anomaly (Image 8):</p>



4-week Coral Bleaching (Image 9):



Summary Statement

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

The rainfall for January and the November to January season were below normal over Chuuk.

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

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for March is very likely to be above normal over Namonuito Atoll, Mortlock islands, Pulap and Pulusuk and likely to be above normal in the rest of the Chuuk region.

The rainfall for March to May is likely to be above normal over the entire Chuuk region.

Maximum and minimum temperatures during March and averaged over the March to May season are very likely to be above normal over the entire Chuuk region.

Part 2: Recent Ocean summary statement

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

January and the average over November to January sea surface temperatures (SSTs) around the entire Chuuk region were 0.5 to 1.0°C above normal.

January sea levels around the entire Chuuk region were 100 to 150mm above normal.

A coral bleaching Watch is in effect for Chuuk as of February 2, 2025.

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

Ocean Variable statement

March and the average over the March to May season sea surface temperatures around the entire Chuuk region are predicted to be 0.8 to 1.2°C above normal.

March sea levels around the Mortlock Islands are predicted to be 30 to 60mm below normal. Sea levels around Namonuito Atoll and the Hall islands are expected to be 30 to 60mm above normal

Averaged over March to May, sea levels around the Mortlock Islands are predicted to be 30 to 60mm below normal.

Coral Bleaching outlook indicates no stress for the next 12 weeks.

In brief for Teleconference

- Rainfall for Chuuk was below normal for January and November to January.
- The rainfall outlook for Chuuk is most likely to be above normal in March and the March to May season.
- SSTs were above normal for January and November to January. The outlook shows above normal SSTs for the next one and three months.
- Sea levels were above normal for January. Below, near and above normal sea levels are predicted for March and March to May.

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		DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7			
EAR Watch		DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7			
Monthly Climate Briefing								
Ocean Outlook		DEOC, DECCEM, CPUC, UN, IOM, Chuuk State Gov., CWC, DOE, EPA	15	8	7			

Climate data request								
Total			45	24	21			