

Country: Chuuk, FSM

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2024	Apr-2024	May-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Chuuk (1946-2024)	83.8	314.5	273.3	286.4	385.4	342.4	22/76

TABLE 2: Three-month Total Rainfall for March to May 2024

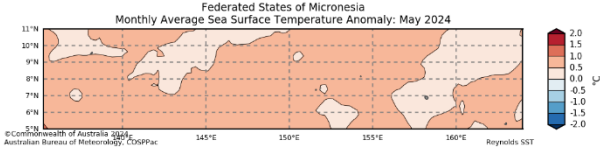
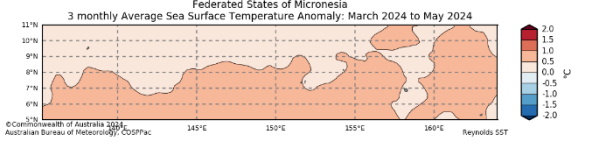
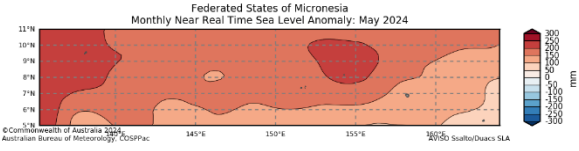
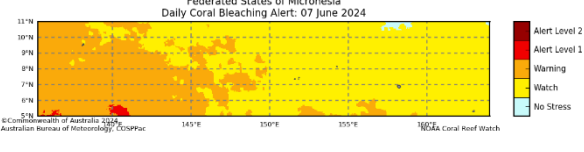
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Chuuk (1946-2024)	671.6	Below normal	798.8	952.2	870.8	15/76

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2024

Monthly: July	Seasonal: July to September
Rainfall (Image 1)	Rainfall (Image 2)
Tercile rainfall probabilities for July 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Model run: 03/06/2024 Issued: 05/06/2024	Tercile rainfall probabilities for July to September 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Model run: 03/06/2024 Issued: 05/06/2024
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
Tercile maximum temperature probabilities for July 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Model run: 03/06/2024 Issued: 05/06/2024	Tercile maximum temperature probabilities for July to September 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Model run: 03/06/2024 Issued: 05/06/2024
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
Tercile minimum temperature probabilities for July 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Model run: 03/06/2024 Issued: 05/06/2024	Tercile minimum temperature probabilities for July to September 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Model run: 03/06/2024 Issued: 05/06/2024

Part 2: Recent Ocean Observation

Monthly/Three months: May 2024 and March to May 2024

Monthly: May 2024	Last three months: March to May 2024:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
	
Sea level (Image 2):	
	
Daily coral bleaching alert (Image 3):	
	

Part 2i. Monthly and Seasonal Outlooks for July and July to September 2024

Monthly: July	Seasonal: July to September
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
Difference from average sea surface temperature forecast for July 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Seafile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegaps.org/ Model run: 03/06/2024 Issued: 05/06/2024	Difference from average sea surface temperature forecast for July to September 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Seafile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegaps.org/ Model run: 03/06/2024 Issued: 05/06/2024
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
Difference from average sea surface height forecast for July 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Seafile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegaps.org/ Model run: 03/06/2024 Issued: 05/06/2024	Difference from average sea surface height forecast for July to September 2024 Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Seafile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at http://www.marinegaps.org/ Model run: 03/06/2024 Issued: 05/06/2024
4-week Coral Bleaching (Image 9):	
Federated States of Micronesia 4 Weeks Coral Bleaching Outlook: 30 June 2024 © Commonwealth of Australia 2024, Australian Bureau of Meteorology, CSIRO/SPAC	

Summary Statement

Monthly and last three months: May 2024/March to May 2024 statement

The rainfall in Chuuk during May and the March to May season was below normal.

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July is likely to be near-normal over the entire Chuuk region.

The rainfall for July to September is likely to be above normal over all islands west of 151°E. In the rest of the Chuuk islands, the outlook offers little guidance.

Maximum and minimum temperatures during July and averaged over July to September are very likely to be above normal over the entire Chuuk region.

Part 2: Recent Ocean summary statement

Monthly and last three months: May 2024/March to May 2024

May ocean temperatures around the entire Chuuk region were 0.5 to 1.0°C above normal.

Averaged over March to May, ocean temperatures around the Hall islands were 0 to 0.5°C above normal while 0.5 to 1.0°C above normal elsewhere.

May sea levels around the entire Chuuk region showed 50mm to 200mm above normal.

Part 2i. Monthly and Seasonal Outlooks for July and July to September 2024

Ocean Variable statement

July and averaged over July to September, ocean temperatures around Chuuk region are predicted to be 0.4 to 1.2°C and 0.8 to 1.2°C above normal, respectively.

The sea levels in July and the July to September season are likely to be near normal throughout the Chuuk region.

The 4-week coral bleaching outlook shows “Warning” status for the southern part of the region.

IN BRIEF for Teleconference

- Rainfall for Chuuk was below normal for May and for March to May
- July rainfall is likely to be near-normal. July to September rainfall is generally likely to be above normal.
- SSTs were above normal for May and near normal to above normal for March to May. The outlook shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSHs) were above normal for May. Near normal sea surface heights are predicted for July and July to September.

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

Product	Date: May 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	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	