

Country: Chuuk, FSM

Part 1: Recent climate

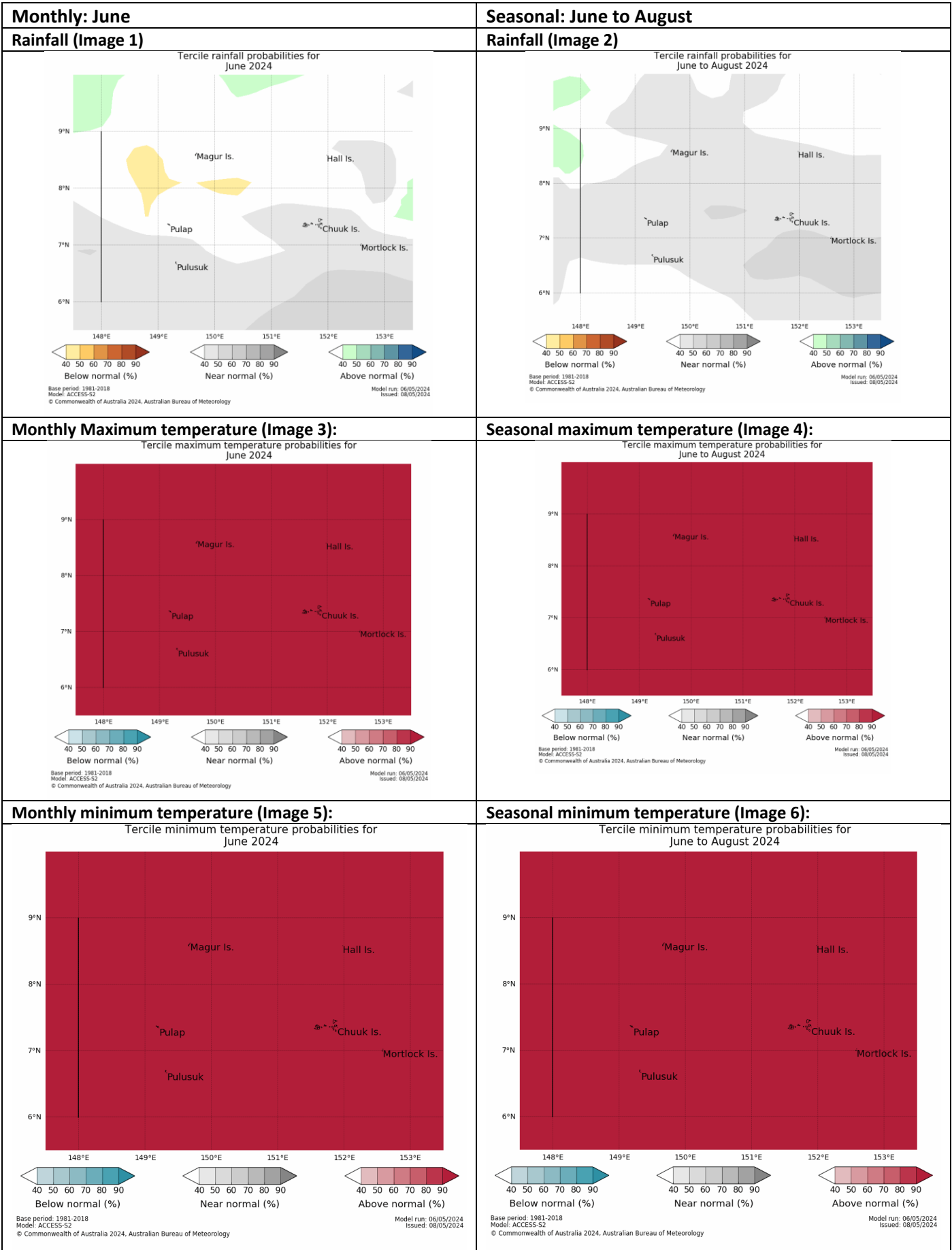
TABLE 1: Monthly Rainfall

Station (include data period)	Feb-2024	Mar-2024	Apr-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Chuuk (1946-2024)	139.5	83.8	314.5	223.8	353.3	289.1	43/77

TABLE 2: Three-month Total Rainfall for February to April 2024

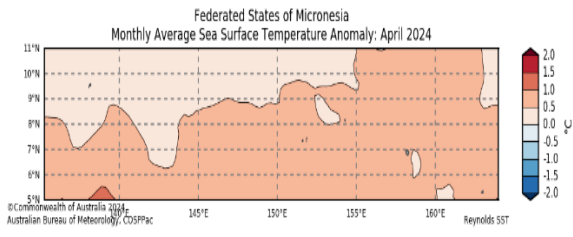
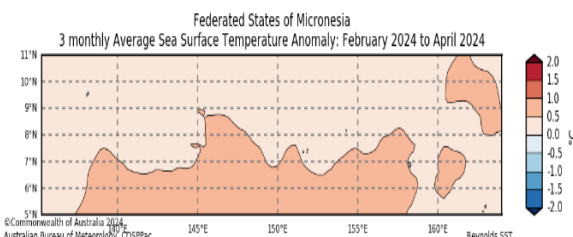
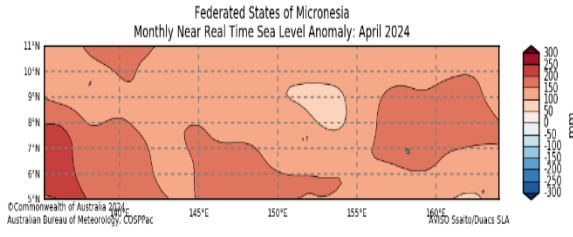
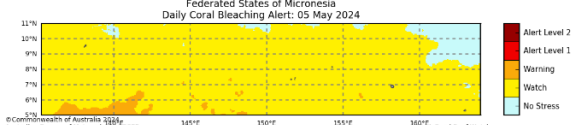
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Chuuk (1946-2024)	537.8	Below normal	635.3	831.0	744.1	20/76

Part 1i. Monthly and Seasonal Outlooks for June and June to August 2024



Part 2: Recent Ocean Observation

Monthly/Three months: April 2024 and February to April 2024

<p><b>Monthly: April 2024</b></p> <p><b>Sea Surface Temperature (Image 1):</b></p> 	<p><b>Last three months: February to April 2024:</b></p> <p><b>Sea Surface Temperature (Image 4):</b></p> 
<p><b>Sea level (Image 2):</b></p> 	
<p><b>Daily coral bleaching alert (Image 3):</b></p> 	

Part 2i. Monthly and Seasonal Outlooks for June and June to August 2024

Monthly: June	Seasonal: June to August
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
<div><p>Difference from average sea surface temperature forecast for June 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase, Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.maritimeregions.org/">http://www.maritimeregions.org/</a></p><p>Model run: 06/05/2024 Issued: 08/05/2024</p></div>	<div><p>Difference from average sea surface temperature forecast for June to August 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase, Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.maritimeregions.org/">http://www.maritimeregions.org/</a></p><p>Model run: 06/05/2024 Issued: 08/05/2024</p></div>
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
<div><p>Difference from average sea surface height forecast for June 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase, Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.maritimeregions.org/">http://www.maritimeregions.org/</a></p><p>Model run: 06/05/2024 Issued: 08/05/2024</p></div>	<div><p>Difference from average sea surface height forecast for June to August 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Flanders Marine Institute (2019), Maritime Boundaries Geodatabase, Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.maritimeregions.org/">http://www.maritimeregions.org/</a></p><p>Model run: 06/05/2024 Issued: 08/05/2024</p></div>
4-week Coral Bleaching (Image 9):	
<div><p>Federated States of Micronesia 4 Weeks Coral Bleaching Outlook: 02 June 2024</p><p>© Commonwealth of Australia 2024, Australian Bureau of Meteorology, CSIRO, and NOAA Coral Reef Watch</p></div>	

## **Summary Statement**

### **Monthly and last three months: April 2024/February to April 2024 statement**

The rainfall in Chuuk was below normal for the past three months, but near-normal in April.

## **Part 1i. Monthly and Seasonal Outlooks for June and June to August 2024**

### **Monthly /Seasonal rainfall and temperature Outlook statements**

The rainfall for June is likely to be near normal over Pulusuk, Chuuk Lagoon, the Mortlock islands, and the far eastern parts of the Hall islands. For the rest of the islands, the outlook offers little guidance.

The rainfall for June to August is likely to be near-normal across the region.

Maximum and minimum temperatures during June and the June to August season are very likely to be above normal over the entire Chuuk region.

## **Part 2: Recent Ocean summary statement**

### **Monthly and last three months: April 2024/February to April 2024**

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

Averaged over February to April, the ocean temperatures in Chuuk region were near-normal.

April sea levels around all the Chuuk islands were 100 to 150mm above normal.

## **Part 2i. Monthly and Seasonal Outlooks for June and June to August 2024**

### **Ocean Variable statement**

June ocean temperatures around Pulap and the Mortlock islands are predicted to be 0.8 to 1.2°C above normal. For the rest, ocean temperatures are predicted to be 0.4 to 0.8°C above normal.

Averaged over June to August, ocean temperatures around the entire Chuuk region are predicted to be 0.8 to 1.2°C above normal.

Sea levels around the entire Chuuk region are likely to be near-normal in June and from June to August.

### **IN BRIEF for Teleconference**

- Rainfall for Chuuk was near-normal for April and below normal for February to April.
- The rainfall outlook generally indicates near-normal as most likely in June and the June to August season.
- SSTs were above normal for April and near-normal for February to April. The outlook shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSHs) were above normal for April. Near-normal SSHss are predicted for June and June to August.

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

Product	Date: April 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						
<b>Total</b>			<b>15</b>	<b>8</b>	<b>7</b>	