Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 189

Country: Marshall Islands

Part 1: Recent climate

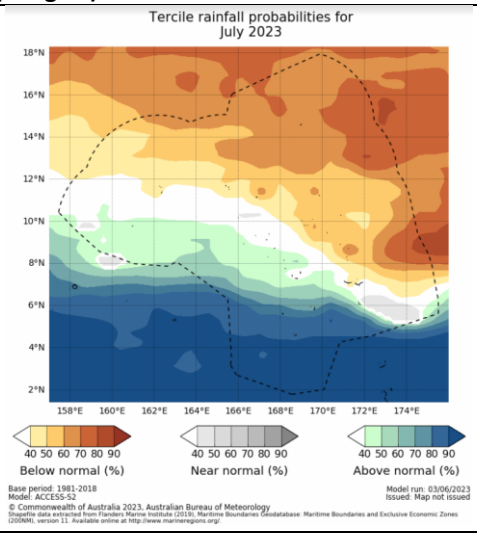
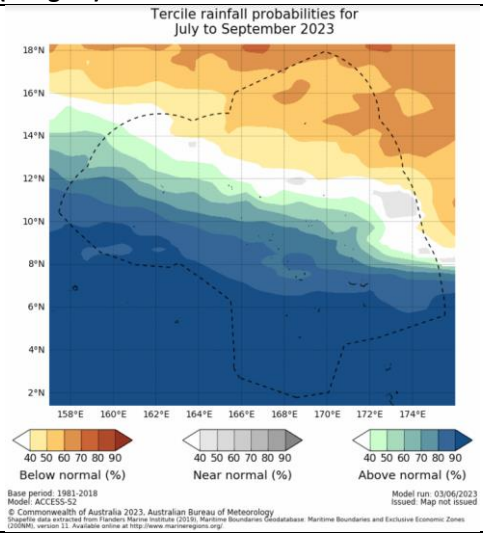
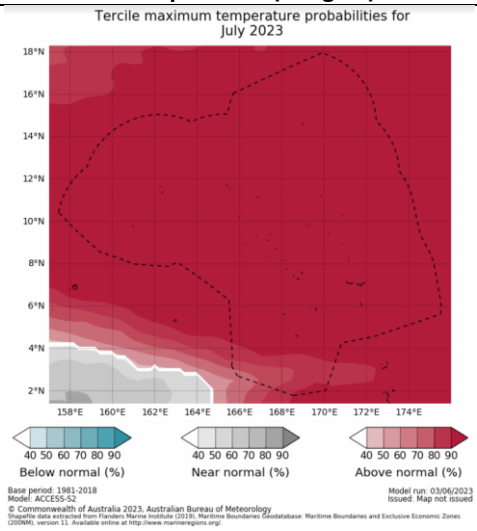
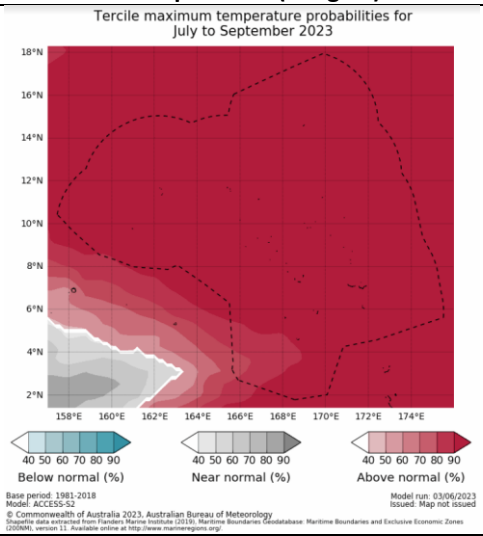
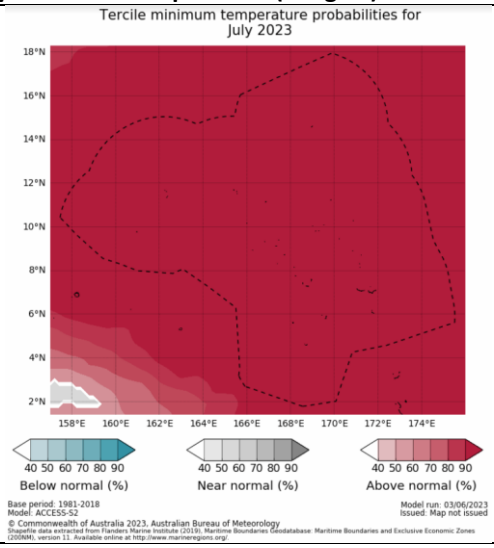
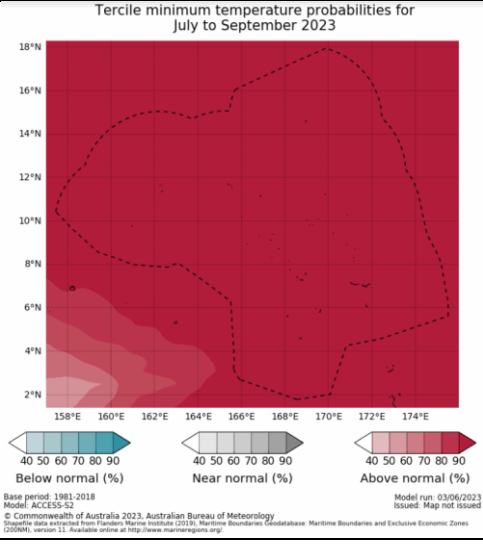
TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2023	Apr-2023	May-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2023)	282.4	361.4	262.9	213.5	324.3	271.9	32/69
Kwajalein (1945-2023)	112.5	250.7	588.8	163.9	272.4	207.2	**77/79**

TABLE 2: Three-month Total Rainfall for March to May 2023

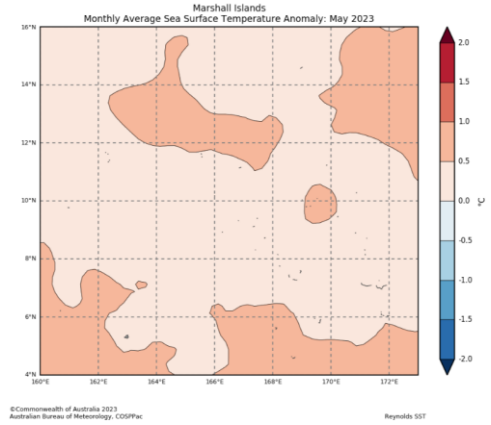
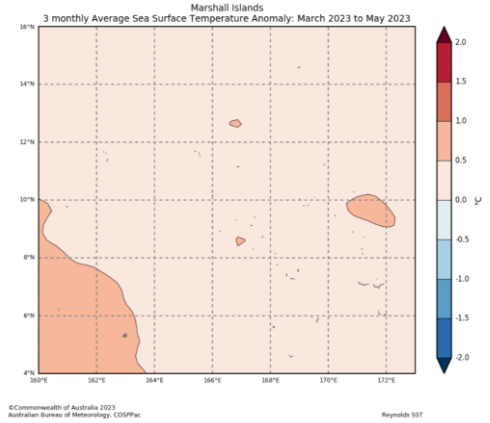
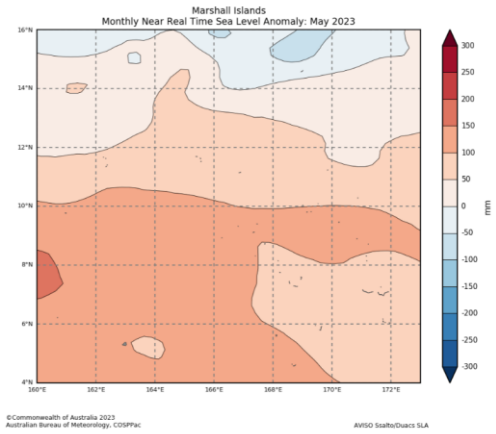
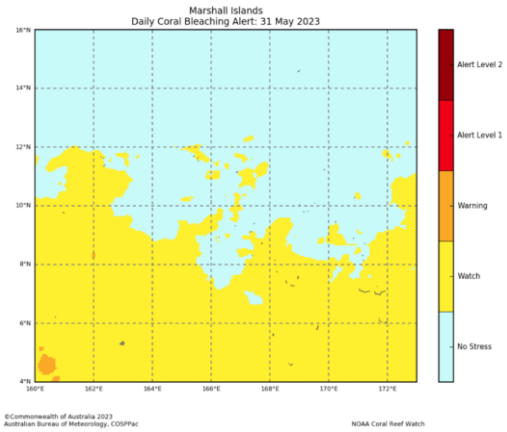
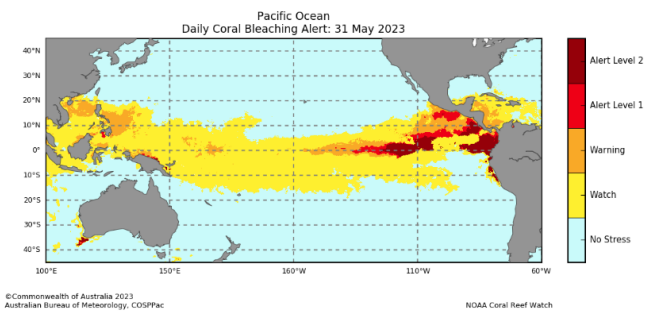
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Majuro (1954-2023)	906.7	Above normal	693.4	901.4	750.8	46/69
Kwajalein (1945-2023)	952.0	Above normal	375.5	613.4	493.3	**72/79**

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

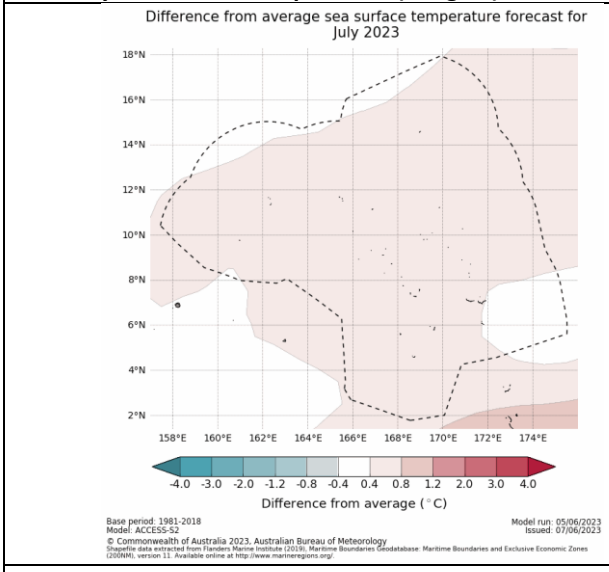
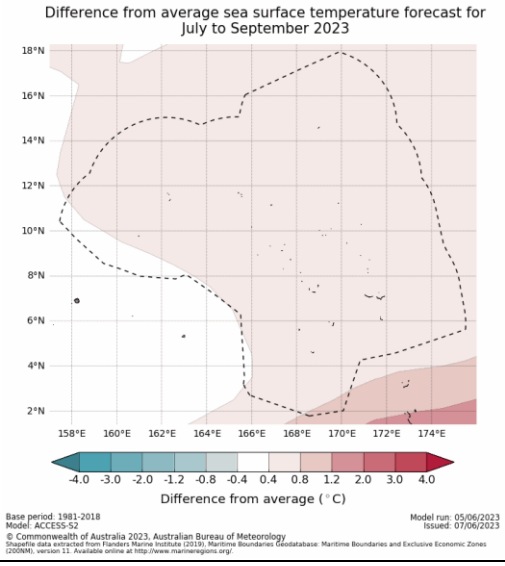
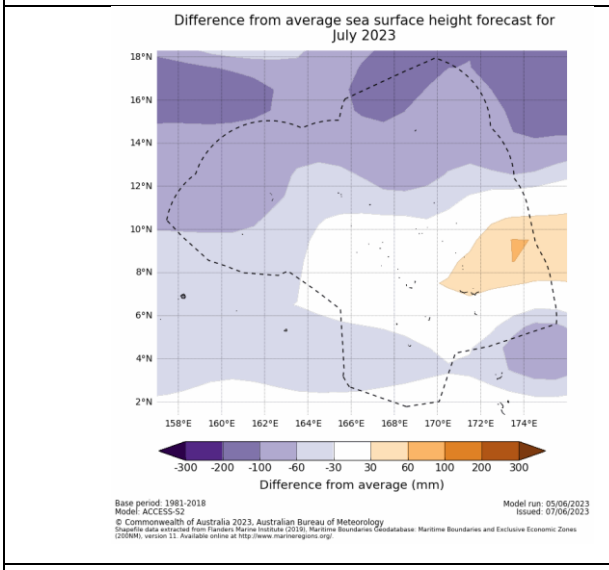
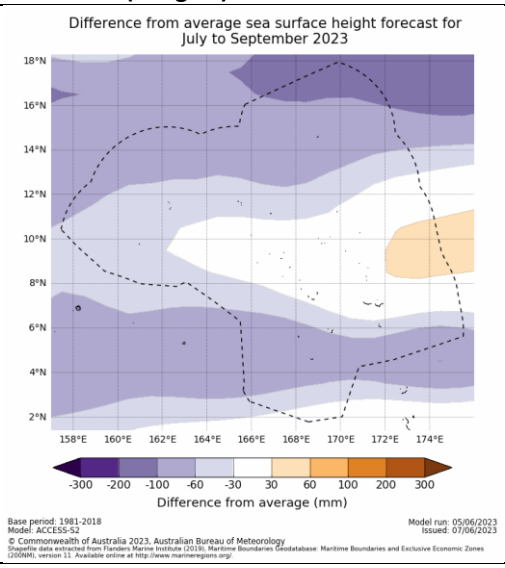
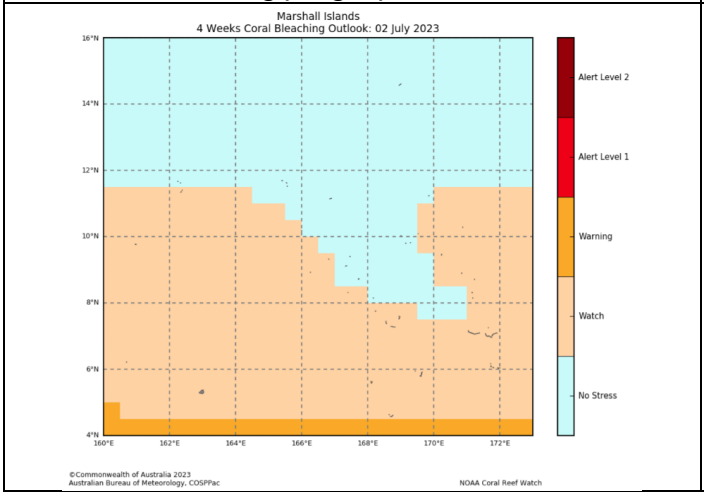
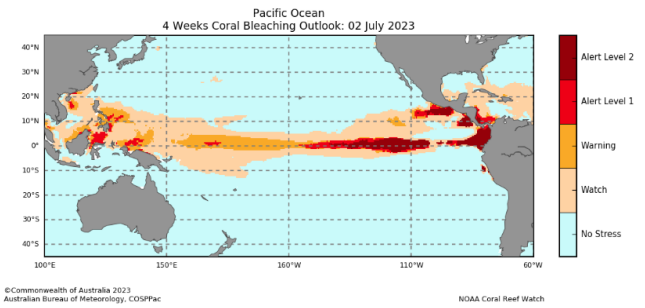
Monthly: July	Seasonal: July to September
Rainfall (Image 1)	**Rainfall (Image 2)**
	
Monthly Maximum temperature (Image 3):	**Seasonal maximum temperature (Image 4):**
	
Monthly minimum temperature (Image 5):	**Seasonal minimum temperature (Image 6):**
	

Part 2: Recent Ocean Observation

Monthly/Three months: May and March to May 2023

Monthly: May	**Last three months: March to May 2023:**
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 2023

Monthly: July	Seasonal: July to September
Monthly sea surface temperature (Image 5):	**Seasonal sea surface temperature (Image 6):**
	
Monthly sea level (Image 7):	**Seasonal sea level (Image 8):**
	
4-week Coral Bleaching (Image 9):	
	

Summary Statement

Monthly and last three months: May 2023/March to May 2023 statement

Normal rainfall was recorded at Majuro for the month of May, while Kwajalein recorded above normal rainfall. It was the third wettest May on record for Kwajalein. For March to May, above normal was recorded at both stations, and it was the eighth wettest on record for Kwajalein.

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July is likely or very likely to be above normal over southern RMI. In most parts of the northern RMI, July's rainfall is likely or very likely to be below normal. Separating these two areas is a narrow strip where there is little guidance; it includes both Majuro and Kwajalein.

The rainfall for July to September is likely or very likely to be above normal over central and southern RMI, including at Majuro and Kwajalein. In northern RMI, the outlook shows July to September's rainfall is likely or very likely to be below normal.

Maximum and minimum temperatures during July and averaged over July to September are very likely to be above normal across the Marshall Islands.

Part 2: Recent Ocean summary statement

Monthly and last three months: May 2023/March to May 2023

May ocean temperatures around the southern and northern RMI's water were 0.5 to 1.0°C above normal, with 0.0 to 0.5°C near normal in the central RMI.

Averaged over March to May, ocean temperatures around the Marshall Islands were utmost 0.5°C near normal.

May sea levels across the central and southern RMI were 100mm to 150mm above normal, with 50mm to 100mm in the easternmost RMI where Majuro is included.

Coral bleaching at WATCH status for the central and southern RMI's waters.

Part 2i. Monthly and Seasonal Outlooks for July and July to September 2023

Ocean Variable statement

July ocean temperatures across the Marshalls are predicted to be 0.4 to 0.8°C above normal.

Averaged over July to September, ocean temperatures for the entire RMI's water are predicted to be 0.4 to 0.8°C above normal.

July sea levels around Majuro and nearby atolls to the north are predicted to be 30mm to 60mm above normal, while below normal sea level of –30mm to –100mm for the north-western atolls in the RMI.

Averaged over July to September, sea levels northeast of Majuro is predicted to be 30mm to 60mm above normal, while below normal sea level of –30mm to –100mm is predicted in the southern and northern waters of the RMI.

Coral bleaching outlook is at WATCH status for central and southern waters.

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

Product	Date: May 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin						
EAR Watch						
Monthly Climate Briefing	05/19/23		6	3	3	
Ocean Outlook						
Climate data request						
		Total	**6**	**3**	**3**	