Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 182

Country: Marshall Islands

Part 1: Recent climate

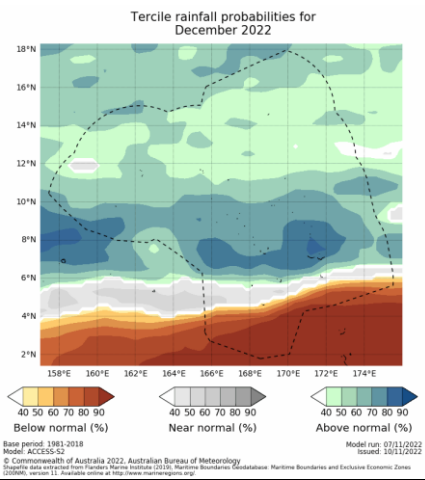
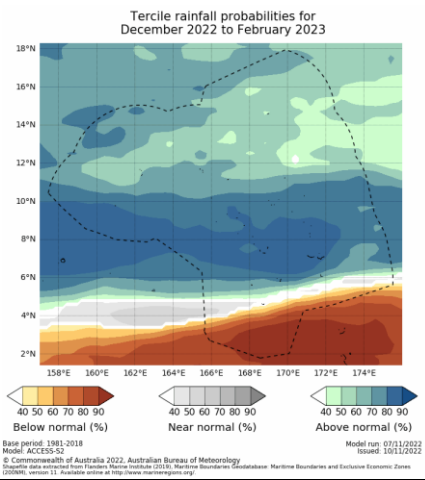
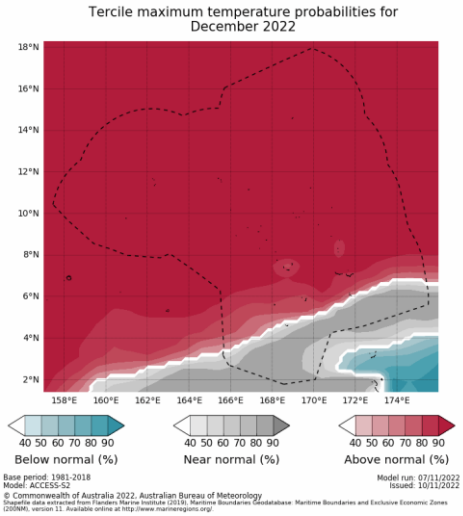
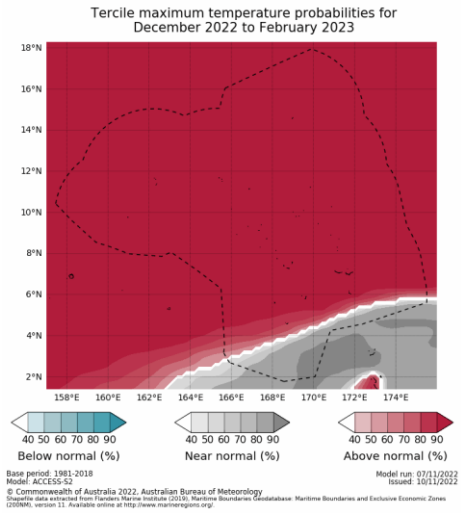
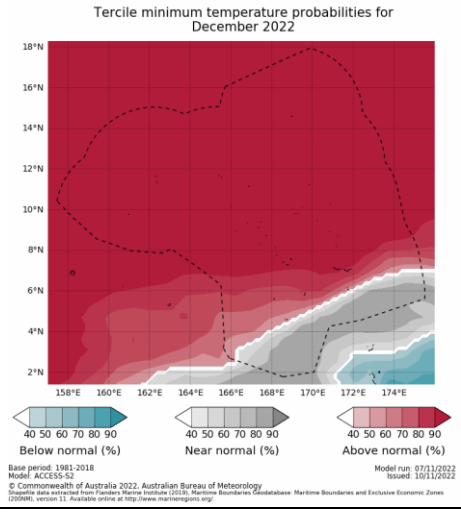
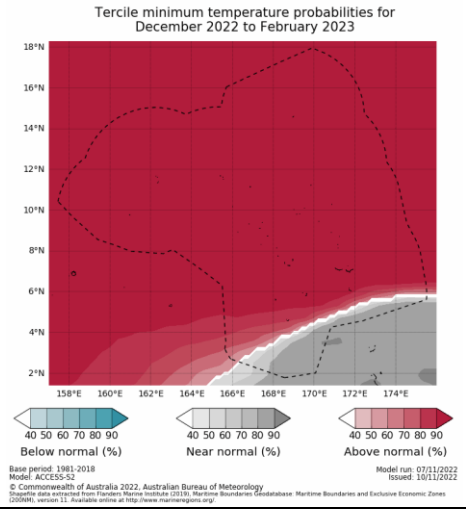
TABLE 1: Monthly Rainfall

Station (include data period)	Aug-2022	Sep-2022	Oct-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Majuro (1954-2022)	219.7	450.1	476.5	292.2	397.6	357.3	59/69
Kwajalein (1945-2022)	325.4	186.4	457.7	253.5	345.6	295.9	**70/78**

TABLE 2: Three-month Total Rainfall for August to October 2022

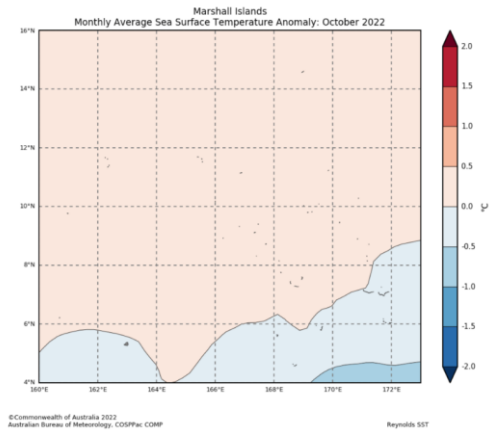
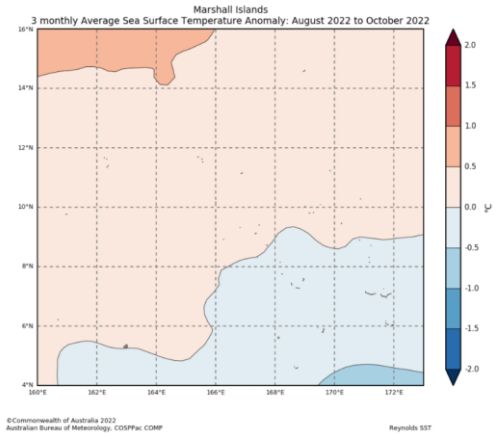
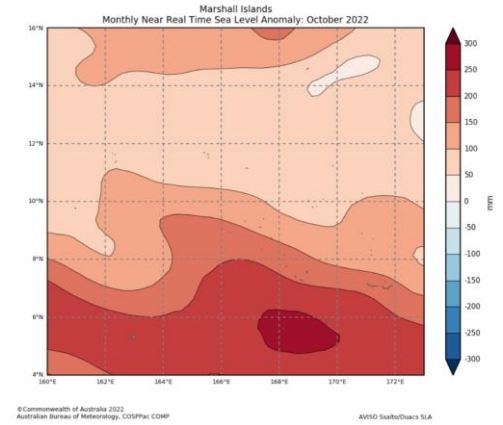
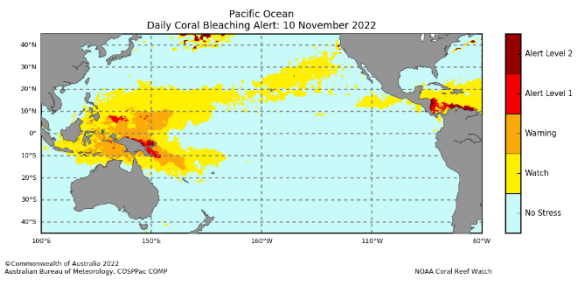
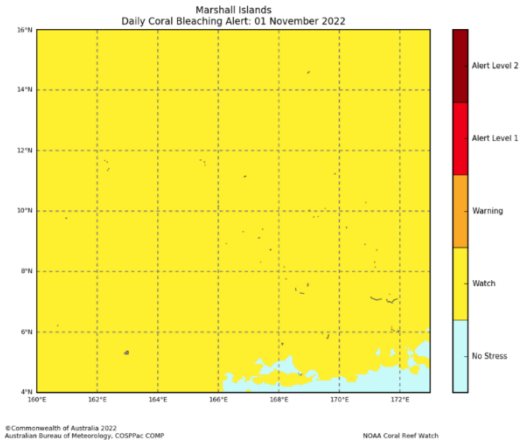
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Majuro (1954-2022)	1146.3	Above normal	883.1	1033.2	972.1	59/69
Kwajalein (1945-2022)	969.5	Above normal	747.7	900.2	855.6	57/78

Part 1i. Monthly and Seasonal Outlooks for December 2022 and December 2022 to February 2023

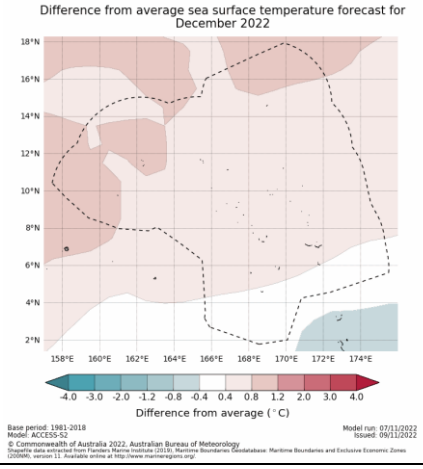
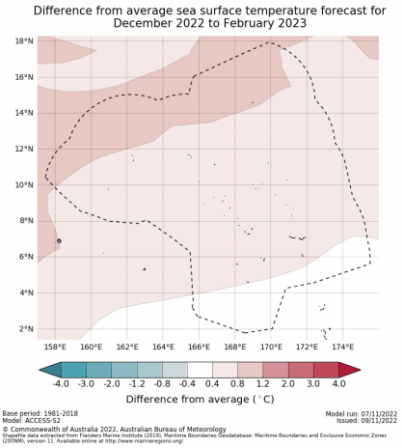
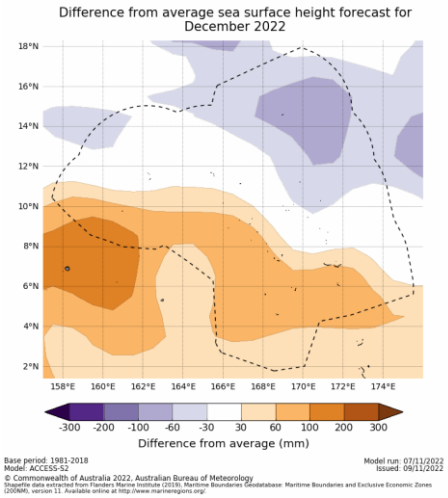
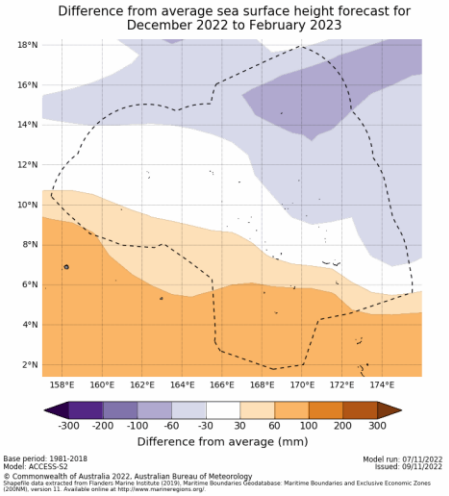
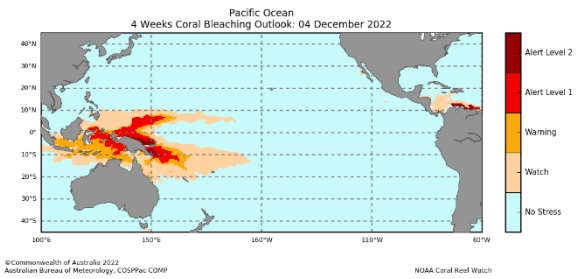
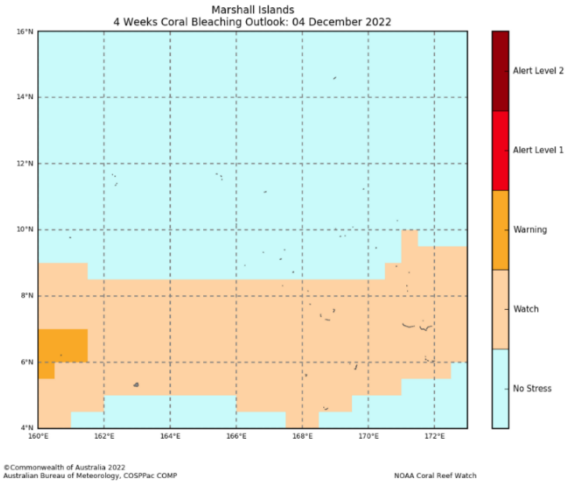
Monthly: December	Seasonal: December to February
Rainfall (Image 1)	**Rainfall (Image 2)**
	
Monthly Maximum temperature (Image 3):	**Seasonal maximum temperature (Image 4):**
	
Monthly minimum temperature (Image 5):	**Seasonal minimum temperature (Image 6):**
	

Part 2: Recent Ocean Observation

Monthly/Three months: October 2022 and August to October 2022

Monthly: October	**Last three months: August to October 2022:**
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 December 2022 and December 2022 to February 2023

Monthly: December	Seasonal: December to February
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: October 2022/August to October 2022 statement

Above normal rainfall was recorded at both stations for the month of October, and also the period of August to October. Kwajalein reported its ninth wettest October on record.

Part 1i. Monthly and Seasonal Outlooks for December 2022 and December 2022 to February 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall outlooks for December and December to February show rainfall is likely or very likely to be above normal across most of the Marshall Islands, including Majuro and Kwajalein. In the southern-most islands, near-normal rainfall is most likely, while over the far south of the EEZ, below normal rainfall is very likely.

Maximum and minimum temperatures during December and December to February are very likely to be above normal across most of the Marshall Islands, except for the far south of the EEZ where near-normal temperatures are likely.

Part 2: Recent Ocean summary statement

Monthly and last three months: October/August to October 2022

October ocean temperatures around the Marhsall Islands were near to average. August to October were also near to average.

October sea levels around Majuro and neighbouring atolls were 150mm to 200mm above normal, while Kwajalein and northern atolls were ranging from 100m to 150mm above normal.

Coral Bleaching alert was on WATCH status for most parts of the Marshall Islands during the month of October.

Part 2i. Monthly and Seasonal Outlooks for December 2022 and December 2022 to February 2023

Ocean Variable statement

December and December to February ocean temperatures across the Marshall Islands are predicted to be 0.4 to 0.8°C above average.

December sea levels around Majuro and Kwajalein are predicted to be 30mm to 60mm above average, while southern islands are predicted to reach around 60mm to 100mm above average.

Averaged over December to February, sea levels around Majuro and Kwajalein are predicted to be average, while southern islands are predicted to 100mm to 200mm above average.

The Coral Bleaching outlook shows a WATCH status for Majuro and NO STRESS status for Kwajalein.

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

Product	Date: October 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	10/21/22	Chief Secretary Office and National Disaster Management Office	6	3	3
Ocean Outlook					
Climate data request					
		Total	**6**	**3**	**3**