Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 180

Country: Marshall Islands

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2022	Jul-2022	Aug-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nalik
Majuro (1954-2022)	197.6	271.8	219.7	259.3	321.4	287.2	14/69
Kwajalein (1945-2022)	248.4	234.4	325.4	192.2	293.7	237.8	60/78

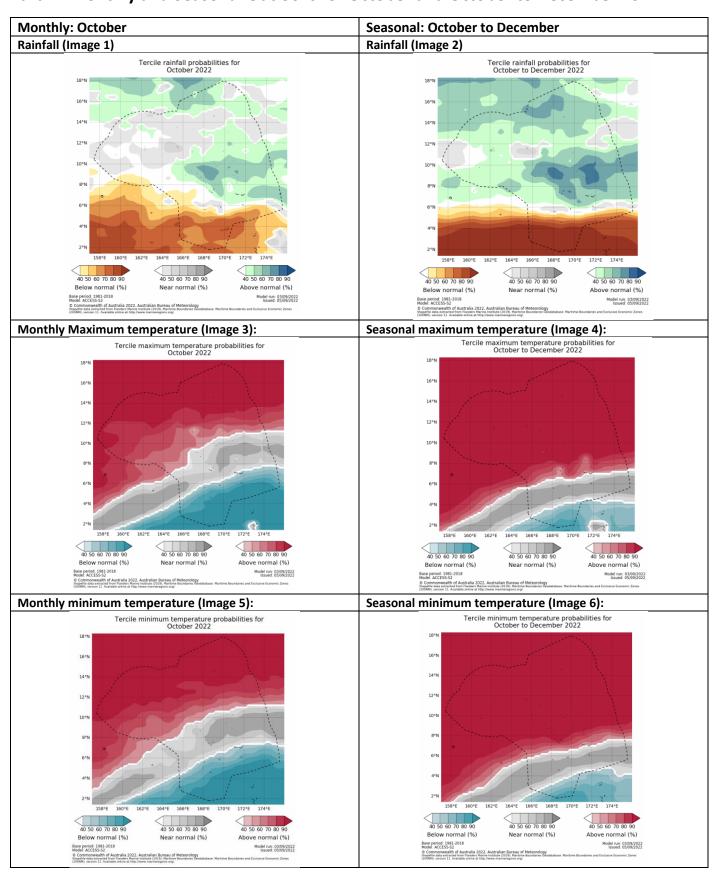
TABLE 2: Three-month Total Rainfall for June to August 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank	
Majuro (1954-2022)	689.1	Below normal	802.1	962.4	876.5	8/69	
Kwajalein (1945-2022)	808.2	Normal	665.7	819.5	723.4	48/78	

 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$

Very High: $25 \le X < 35$ Exceptional: $X \ge 35$

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



NB: The X LEPS % score has been categorised as follows:

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Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Part 2: Recent Ocean Observation

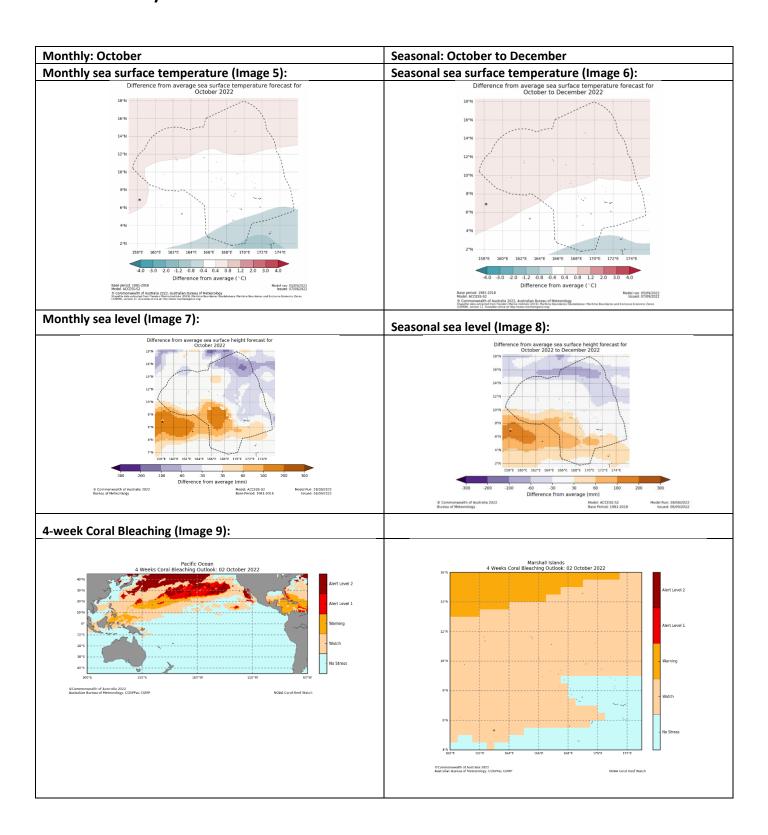
Monthly/Three months: August 2022 and June to August 2022

Monthly: August	Last three months: June to August 2022:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
Marshall Islands Monthly Average Sea Surface Temperature Anomaly: August 2022 2.0 1.5 1.0 0.5 0.0 33 4.5 3.0 6.Communication of Marshall 2017 Actions General of Automatica 2017 Actions General of Marshall 2017	Marshall Islands 3 monthly Average Sea Surface Temperature Acomaly: June 2022 to August 2022 2.0 1.5 1.0 0.5 4.0 4.0 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6
Sea level (Image 2):	
Marshill blands Marshi	
Daily coral bleaching alert (Image 3):	
Daily Coral Bleaching Alert Los September 2022 Acrit Lovel 2 Acrit Lovel 2 Acrit Lovel 1 Warring	Marchall Islands Daily Coral Bleaching Airet: 06 September 2022 Anet Level 2 Anet Level 1 1016 Warning Anet Level 1 Anet Level 2 Anet Level 1 Anet Level 2 Anet Level 2 Anet Level 2 Anet Level 2 Anet Level 3 Anet Level 2 Anet Level 1 Anet Level 1 Anet Level 1 Anet Level 2 Anet Level 3 Anet Level 4 Anet Level 4 Anet Level 1 Anet Level 1 Anet Level 3 Anet Level 3 Anet Level 3 Anet Level 4 Anet Level 4 Anet Level 4 Anet Level 1 Anet Level 2 Anet Level 1 Anet Level 1 Anet Level 1 Anet Level 1 Anet Level 2 Anet Level 1 Anet Level 2 Anet Level 3 Anet Level 3 Anet Level 4 Anet L

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



Very Low: X < 0.0 Low: $0 \le X < 5$ Moderate $5 \le X < 10$ Good: $10 \le X < 15$ High: $15 \le X < 25$

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Summary Statement

Monthly and last three months: August 2022/June to August 2022 statement

Below normal rainfall was recorded at Majuro, while above normal rainfall was recorded at Kwajalein. For June to August, Majuro recorded below normal rainfall, while Kwajalein recorded normal rainfall.

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

Monthly /Seasonal rainfall and temperature Outlook statements

October rainfall is likely to be above normal at both Majuro and Kwajalein. The outlooks, however, differ for most parts of RMI's EEZ, with normal rainfall the most likely outcome for north-western islands, including Bikini and Enewetak atolls. The outlook indicates below average rainfall is very likely for islands situated south of 6°N, including Namdrik and Ebon.

October to December rainfall is very likely to be above normal for both stations and most parts of the RMI's EEZ, while below average rainfall is very likely for islands south of 6°N.

The October maximum and minimum temperature outlooks for RMI are mixed, with normal temperature likely for central RMI, above normal temperature very likely for northern parts of RMI, and below normal very likely for southern portion of the Republic.

Averaged over October to December, above normal maximum and minimum temperatures are very likely for most parts of the RMI, except for the southern portion where the outlooks indicate near-normal temperatures to below normal temperature very likely.

Part 2: Recent Ocean summary statement

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

For August and June to August, SSTs were near-normal for most of the RMI, except for the northern and north-western islands with utmost 1 °C above normal SSTs were observed.

August sea level anomalies ranging from 50 to 100 mm above average were observed across the central RMI, with significant 100 to 200 mm above average sea level anomalies in the northern and southern parts of the RMI.

WATCH status was placed for Coral Bleaching for the entire RMI, except for the islands below 8°N, with NO STRESS status was in placed.

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

Ocean Variable statement

The monthly and seasonal outlooks show near-normal SSTs for most of the RMI for October and October to December.

The monthly and seasonal sea level outlooks show above average sea levels of 30mm to 200mm in western and southern parts of RMI. Near normal sea level forecasted for northern RMI, with below normal sea level anomalies of utmost –60mm for eastern RMI.

Coral Bleaching outlook is on WATCH status for northern and western parts of RMI's EEZ, with the remaining on NO THERMAL STRESS status.

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

Product	Date: August 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing	08/23/22	Office of the Chief Secretary,and National Disaster Management Office	7	4	3
Ocean Outlook					
Climate data request					
		Total	7	4	3

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