

Country: Marshall Islands

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)				
Majuro (1954-2024)	129.8	27.4	264.9	211.1	328.2	263.1	36/70
Kwajalein (1945-2024)	34.8	117.1	106.4	122.9	210.7	150.1	24/80

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

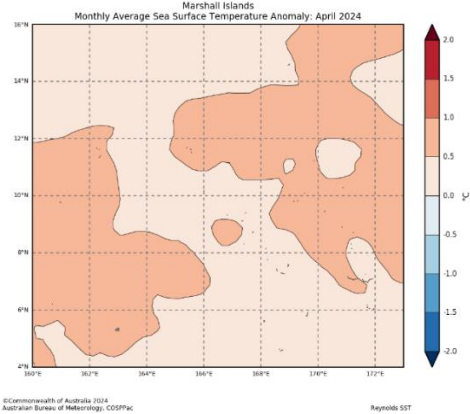
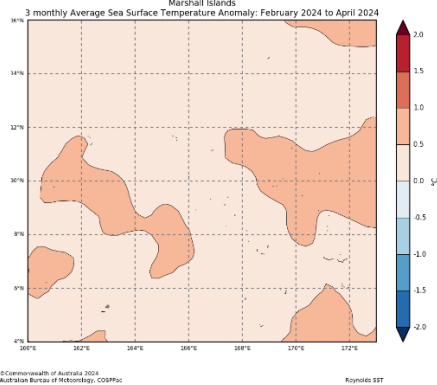
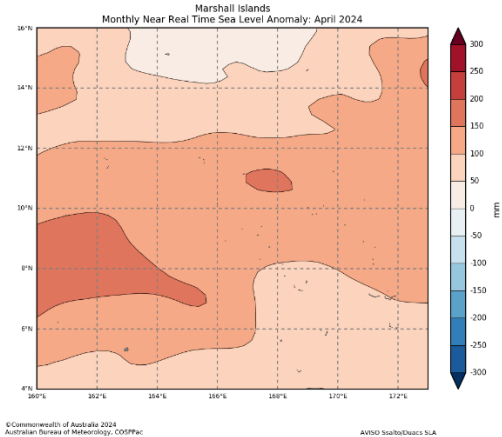
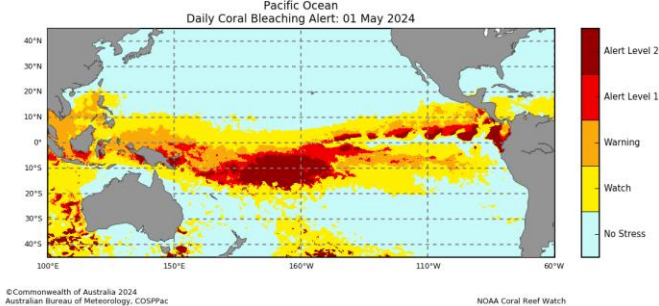
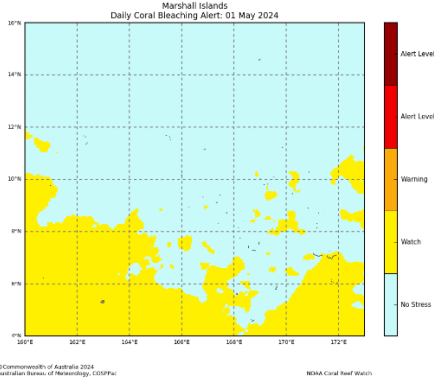
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Majuro (1954-2024)	422.1	Below normal	559.9	785.5	669.8	11/70
Kwajalein (1945-2024)	258.3	Below normal	260.7	440.6	373.2	28/80

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

Monthly: June	Seasonal: June to August
Rainfall (Image 1)	Rainfall (Image 2)
<p>Tercile rainfall probabilities for June 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Geospatial data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008), version 1.1. Available online at http://www.marine.gov.au</p> <p>Model run: 04/05/2024 Issued: 06/05/2024</p>	<p>Tercile rainfall probabilities for June to August 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Geospatial data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2008), version 1.1. Available online at http://www.marine.gov.au</p> <p>Model run: 04/05/2024 Issued: 06/05/2024</p>
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
<p>Tercile maximum temperature probabilities for June 2024</p>	<p>Tercile maximum temperature probabilities for June to August 2024</p>
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
<p>Tercile minimum temperature probabilities for June 2024</p>	<p>Tercile minimum temperature probabilities for June to August 2024</p>

Part 2: Recent Ocean Observation

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

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

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

Monthly: June	Seasonal: June to August
<div>Monthly sea surface temperature (Image 5):</div> <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 http://www.maritimergions.org/.</p><p>Model run: 04/05/2024 Issued: 06/05/2024</p></div>	<div>Seasonal sea surface temperature (Image 6):</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 http://www.maritimergions.org/.</p><p>Model run: 04/05/2024 Issued: 06/05/2024</p></div>
<div>Monthly sea level (Image 7):</div> <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 http://www.maritimergions.org/.</p><p>Model run: 04/05/2024 Issued: 06/05/2024</p></div>	<div>Seasonal sea level (Image 8):</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 http://www.maritimergions.org/.</p><p>Model run: 04/05/2024 Issued: 06/05/2024</p></div>
<div>4-week Coral Bleaching (Image 9):</div> <div><p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 26 May 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>	<div><p>Marshall Islands 4 Weeks Coral Bleaching Outlook: 26 May 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>

Summary Statement

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

The rainfall for April was near-normal at Majuro and below normal over Kwajalein. For the past three Months (February to April), rainfall was below normal at both Majuro and Kwajalein.

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 or very likely to be below normal over northern RMI, and above normal over a small part of the southeast, including at Majuro. Near-normal rainfall is likely in the far south and the north-central, while the outlook offers little guidance elsewhere, including at Kwajalein.

The rainfall for June to August is likely or very likely to be below normal over northern RMI and the far south. Near-normal is likely for most islands, except for a small area in the southeast, including Majuro, where rainfall is likely or very likely to be above normal.

Maximum and minimum temperatures during June and averaged over June to August, are likely or very likely to be above normal across the RMI.

Part 2: Recent Ocean summary statement

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

April ocean temperatures were 0.5 to 1.0°C above normal around the chain of islands to the east (Ratak) and near-normal around the chain of islands to the west (Railik).

Averaged over February to April, ocean temperatures were also 0.5 to 1.0°C above normal around north of the chain of islands to the east and near normal elsewhere.

Sea levels around the Marshall Islands during April were 50 to 150mm above normal, except for a small area between 6N-10N and 160E-164E where sea levels were 150 to 200mm above normal.

Coral bleaching was at WATCH status for the southern part of the RMI and NO STRESS status for most of the country.

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

Ocean Variable statement

June and averaged over June to August ocean temperatures around the RMI are predicted to be 0.4 to 0.8°C above normal.

June sea levels around the RMI are predicted to be 30 to 100mm above normal at the central to northern part of the country. At far southeast part of the RMI, sea levels are predicted to be 30 to 60mm below normal.

Averaged over June to August, sea levels around the part of northern RMI are predicted to be 30 to 60mm above normal. For the rest of the group, sea levels are predicted to be near normal.

Coral bleaching is at WATCH status for the southern RMI and NO STRESS status for most of the country.

IN BRIEF for Teleconference

- Rainfall at Majuro was near-normal for April and below normal during February to April. For Kwajalein, below normal rainfall was recorded during both April and February to April period.
- The June rainfall outlook is mixed, but near-normal rainfall is likely for most islands over June to August, apart from part of the southeast, including Majuro, where above normal rainfall likely or very likely.
- RMI SSTs were near-normal to above-normal for April and February to April. The outlook shows above normal SSTs for the next one and three months.
- RMI Sea-surface heights (SSHs) were above normal for April. Near-normal to above normal SSHs are predicted for June and June to August.
- RMI Coral bleaching is at WATCH status for the southern RMI and NO STRESS status for most of the country.

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	04/22-26	Climate Change Weeks...Government Agencies, Middle School and High School Students	64	30	34	
EAR Watch						
Monthly Climate Briefing	04/19	Chief Secretary Office and National Disaster Management Office	6	4	2	
Ocean Outlook	04/22-23	Climate Change Weeks...Government Agencies, Middle School and High School Students	52	33	19	
Climate data request						
Total			122	67	55	