

Country: Kiribati

Part 1: Recent climate

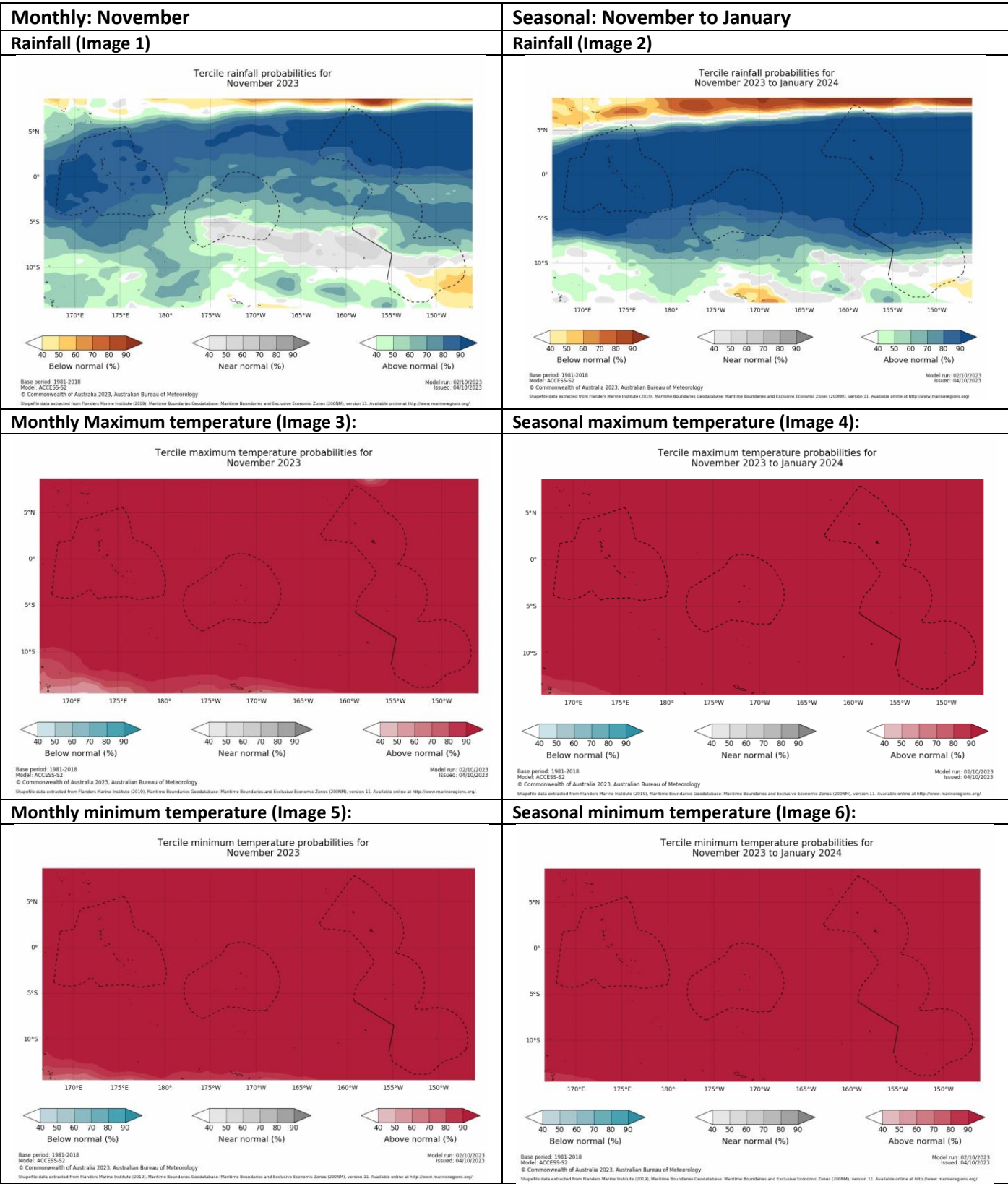
TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2023	Aug-2023	Sep-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
	Beru (1932-2023)	267.2	259.9	185.6	25.0	73.5	
Butaritari (1931-2023)	315.9	133.1	288.0	112.0	180.0	138.0	78/86
Kanton (1937-2023)	107.0	48.3	116.2	22.2	64.7	44.7	57/65
Kiritimati (1921-2023)	190.0	142.9	82.5	4.0	17.2	8.0	88/98
Tarawa (1950-2023)	530.6	210.0	339.5	59.1	142.0	87.3	73/77
Arorae (1950-2023)	324.9	154.2	163.3	39.7	113.2	72.5	44/57

TABLE 2: Three-month Total Rainfall for July to September 2023

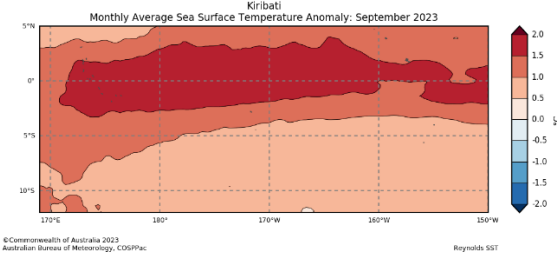
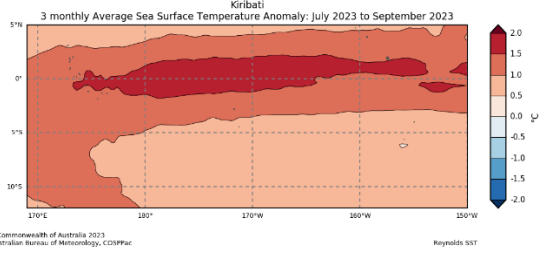
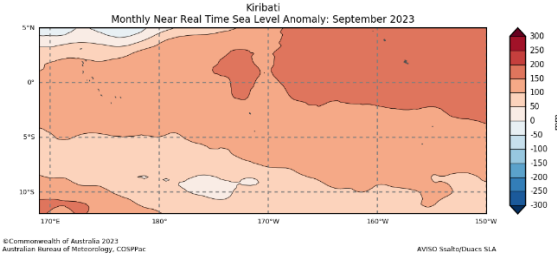
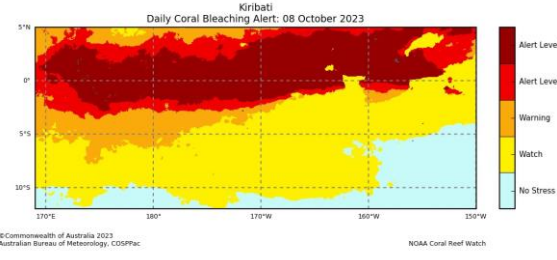
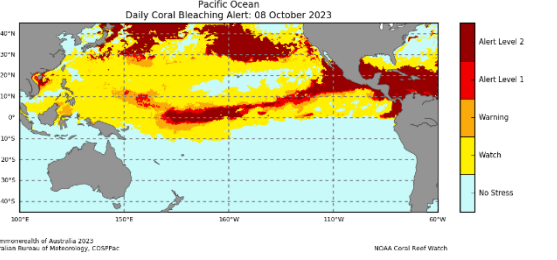
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Beru (1932-2023)	712.7	Above normal	134.3	306.6	195.0	59/65
Butaritari (1931-2023)	737.0	Above normal	509.0	736.3	628.0	58/86
Kanton (1937-2023)	271.5	Above normal	157.4	238.1	180.8	49/63
Kiritimati (1921-2023)	415.4	Above normal	52.0	111.5	83.3	91/98
Tarawa (1950-2023)	1080.1	Above normal	201.2	541.0	334.6	75/77
Arorae (1950-2023)	642.4	Above normal	212.3	443.0	328.0	43/55

Part 1i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024



Part 2: Recent Ocean Observation

Monthly/Three months: September and July to September 2023

<p>Monthly: September</p> <p>Sea Surface Temperature (Image 1):</p> 	<p>Last three months: July to September 2023:</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 November and November 2023 to January 2024

Monthly: November	Seasonal: November to January
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
<p>Difference from average sea surface temperature forecast for November 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, 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.maritimemaps.org/</p> <p>Model run: 02/10/2023 Issued: 04/10/2023</p>	<p>Difference from average sea surface temperature forecast for November 2023 to January 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, 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.maritimemaps.org/</p> <p>Model run: 02/10/2023 Issued: 04/10/2023</p>
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
<p>Difference from average sea surface height forecast for November 2023</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, 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.maritimemaps.org/</p> <p>Model run: 02/10/2023 Issued: 04/10/2023</p>	<p>Difference from average sea surface height forecast for November 2023 to January 2024</p> <p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2023, 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.maritimemaps.org/</p> <p>Model run: 02/10/2023 Issued: 04/10/2023</p>
4-week Coral Bleaching (Image 9):	
<p>Kiribati 4 Weeks Coral Bleaching Outlook: 05 November 2023</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p>	<p>Pacific Ocean 4 Weeks Coral Bleaching Outlook: 05 November 2023</p> <p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p> <p>NOAA Coral Reef Watch</p>

Summary Statement

Monthly and last three months: September 2023/July to September 2023 statement

The rainfall for September was above normal over all stations. Tarawa recorded its fifth wettest September on record, Beru its eighth wettest, while Butaritari and Kanton recorded their ninth wettest September on record.

For the past three months, rainfall was above normal over all Kiribati stations. Tarawa recorded its third, Beru its seventh and Kiritimati its eighth wettest July to September on record respectively.

Part 1i. Monthly and Seasonal Outlooks for November and November 2023 to January 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for November is very likely to be above normal over the Gilbert and northern parts of the Line and Phoenix Islands. Over the southern Phoenix and Line groups rainfall is likely to be below normal to near-normal.

The rainfall for November to January is very likely to be above normal over most parts of the Kiribati region. The exception is the southern Line Islands where the outlook generally offers little guidance apart from small patches where near-normal rainfall is likely.

Maximum and minimum temperatures during November and averaged November to January are very likely to be above normal over the Kiribati region.

Part 2: Recent Ocean summary statement

Monthly and last three months: September 2023/July to September 2023

September and averaged July to September Ocean temperatures around Kiribati were 0.5 to 2.0°C above normal.

September sea levels around Kiribati were 50 to 200mm above normal.

The daily coral bleaching alert shows that most part of Kiribati was in Alert level 2.

Part 2i. Monthly and Seasonal Outlooks for November and November to January 2024

Ocean Variable statement

November and averaged August to October, ocean temperatures around Kiribati are predicted to be 0.4 to 3.0°C above normal.

November sea levels across the central Kiribati are predicted to be 30mm to 100mm above normal.

Averaged over November to January, sea levels around the central Line Islands are predicted to be 30mm to 60mm above normal. However, the Gilbert and Pheonix are predicted to be near-normal.

The 4-weeks coral bleaching outlook shows that most of the Kiribati islands is likely to be Watch to Alert level 2. The exception is the southern Line islands where no stress is expected for the coming four weeks.

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

Product	Date: September 2023	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin	13	Government and Non-Government Organisations and Public subscribed to the products	158	70	88	
EAR Watch	13	Drought committee members	62	35	27	
Media release	13	KMS Media and KMS staff	53	23	30	
Ocean Outlook	13	Government and Non-Government Organisations and Public subscribed to the products	158	70	88	
Climate data request			0	0	0	No requests received in September.
Total			431	198	233	