

# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 186

Country: Kiribati

## Part 1: Recent climate

**TABLE 1: Monthly Rainfall**

Station (include data period)	Dec-2022	Jan-2023	Feb-2023				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
	Beru (1932-2023)	5.0	15.5	18.4	10.0	149.8	
Butaritari (1931-2023)	131.0	173.1	257.9	189.0	309.0	259.0	44/86
Kanton (1937-2021)				4.9	50.7	7.6	
Kiritimati (1921-2023)	33.5	32.7	14.8	17.8	57.0	34.5	23/98
Tarawa (1950-2023)	41.5	120.6	135.2	69.1	270.3	179.9	33/76
Arorae (1950-2023)	0.5	12.7	5.5	18.0	198.0	60.0	10/57

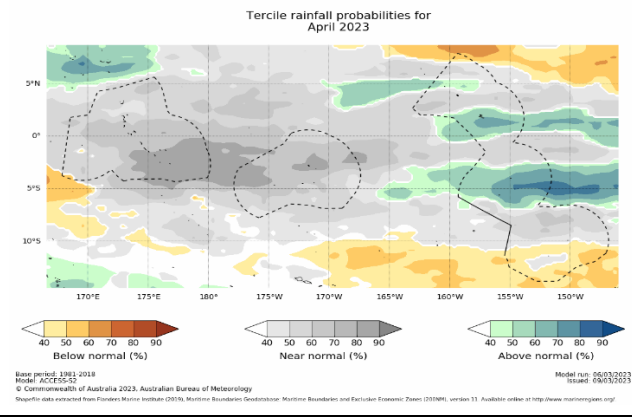
**TABLE 2: Three-month Total Rainfall for December 2022 to February 2023**

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Beru (1932-2023)	38.9	Below normal	152.2	660.0	344.0	19/65
Butaritari (1931-2023)	562.0	Below normal	693.0	1084.0	889.0	26/85
Kanton (1937-2023)			32.0	209.5	71.6	
Kiritimati (1921-2023)	81.0	Normal	39.3	133.5	89.8	37/97
Tarawa (1950-2023)	297.3	Below normal	378.9	863.1	659.5	21/75
Arorae (1950-2023)	18.7	Below normal	241.1	707.0	459.5	1/54

## Part 1i. Monthly and Seasonal Outlooks for April and April to June 2023

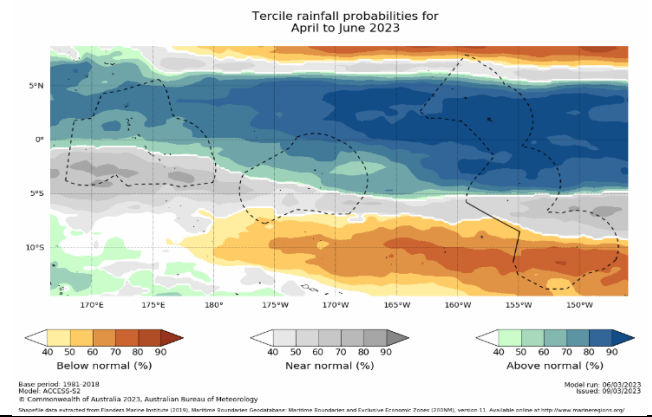
## Monthly: April

### Rainfall (Image 1)

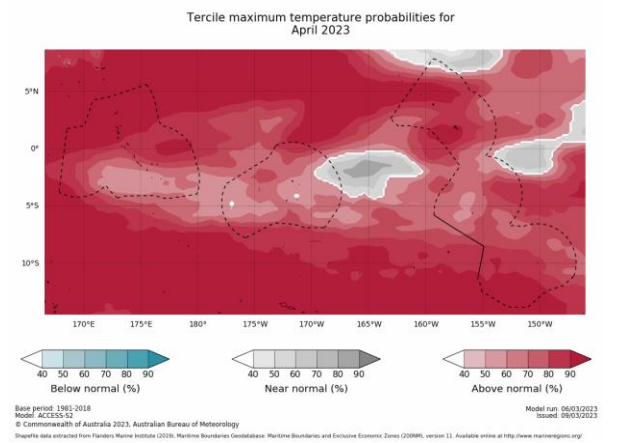


## Seasonal: April to June

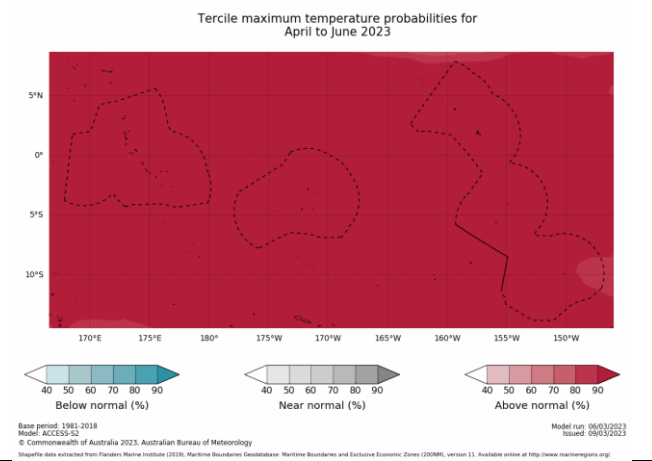
### Rainfall (Image 2)



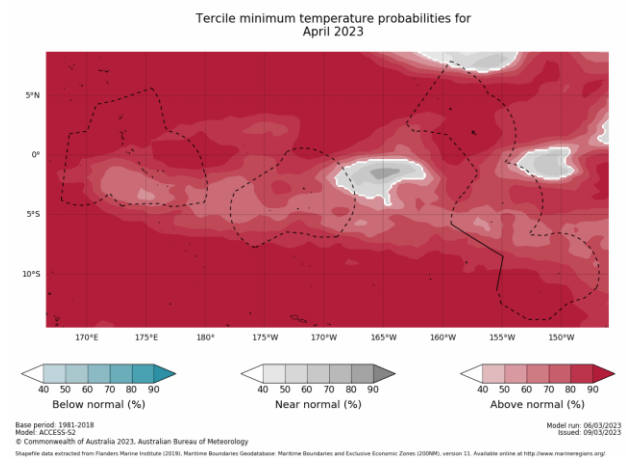
### Monthly Maximum temperature (Image 3):



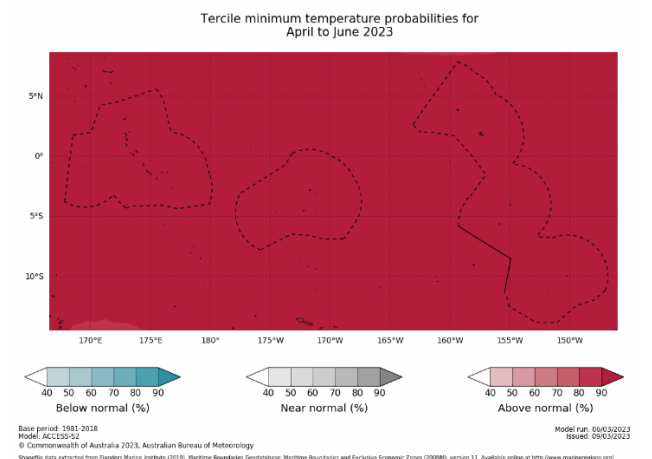
### Seasonal maximum temperature (Image 4):



### Monthly minimum temperature (Image 5):



### Seasonal minimum temperature (Image 6):



## Part 2: Recent Ocean Observation

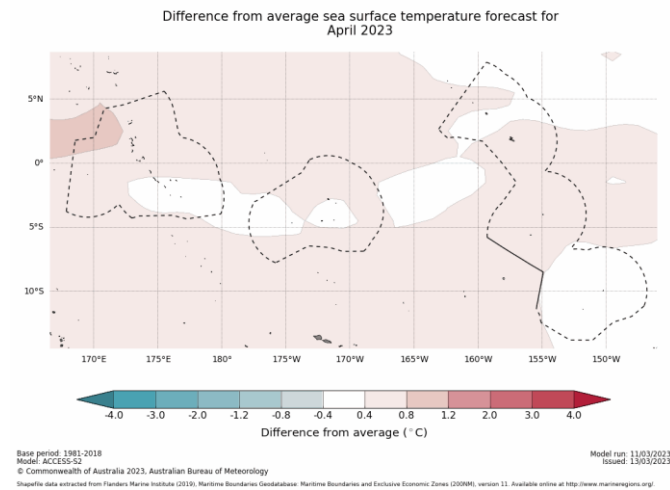
Monthly/Three months: February 2023 and December 2022 to February 2023

Monthly: February	Last three months: December 2022 to February 2023:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
<div><p>Kiribati</p><p>Monthly Average Sea Surface Temperature Anomaly: February 2023</p><p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p><p>Reynolds SST</p></div>	<div><p>Kiribati</p><p>3 monthly Average Sea Surface Temperature Anomaly: December 2022 to February 2023</p><p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p><p>Reynolds SST</p></div>
Sea level (Image 2):	
<div><p>Kiribati</p><p>Monthly Near Real Time Sea Level Anomaly: February 2023</p><p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p><p>AVISO SeaWiFS SLA</p></div>	
Daily coral bleaching alert (Image 3):	
<div><p>Pacific Ocean</p><p>Daily Coral Bleaching Alert: 06 March 2023</p><p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>	<div><p>Kiribati</p><p>Daily Coral Bleaching Alert: 06 March 2023</p><p>©Commonwealth of Australia 2023 Australian Bureau of Meteorology, COSPPac</p><p>NOAA Coral Reef Watch</p></div>

Part 2i. Monthly and Seasonal Outlooks for April and April to June 2023

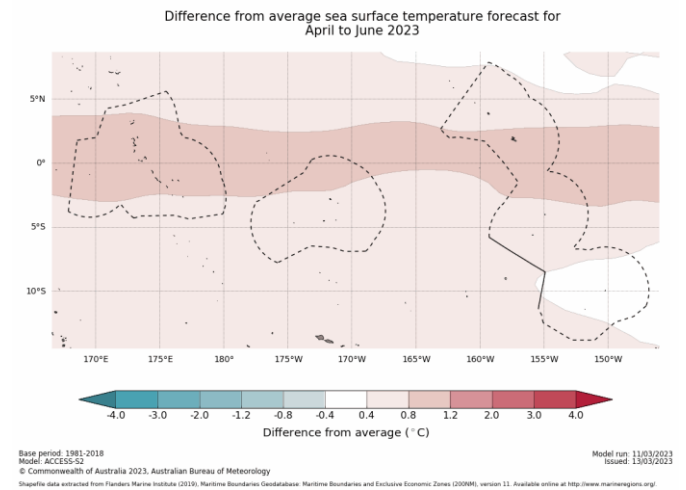
## Monthly: April

### Monthly sea surface temperature (Image 5):

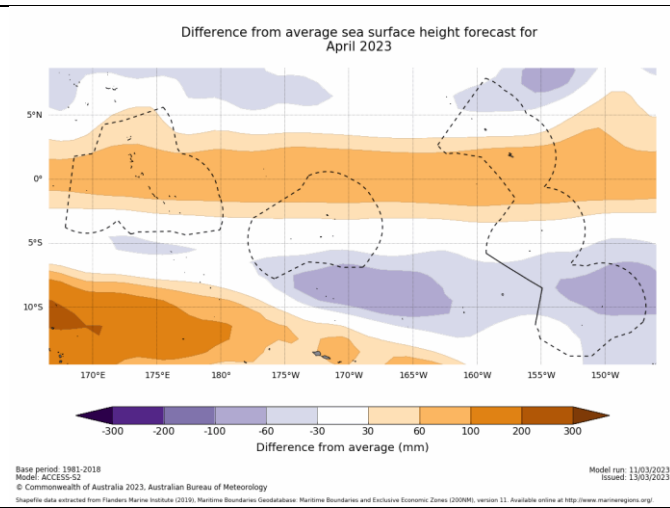


## Seasonal: April to June

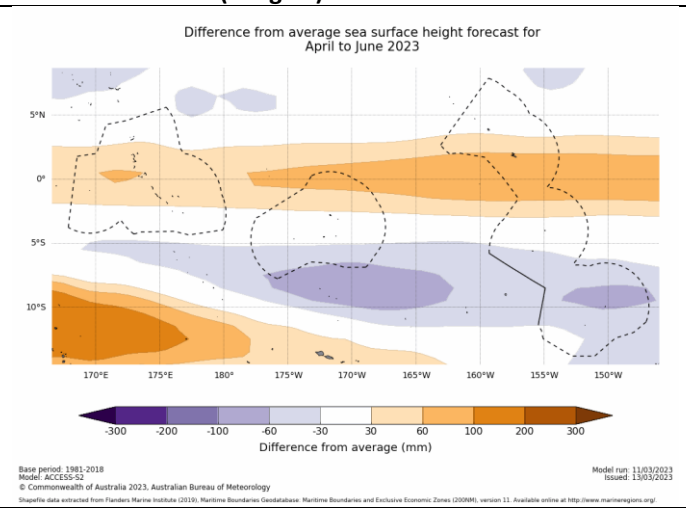
### Seasonal sea surface temperature (Image 6):



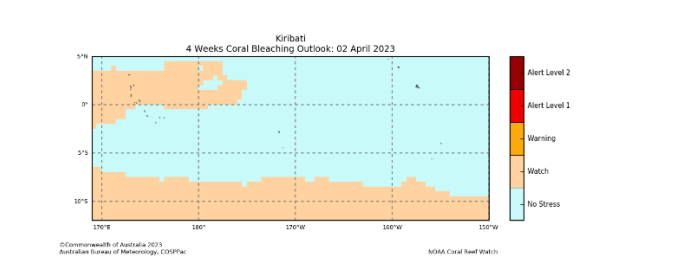
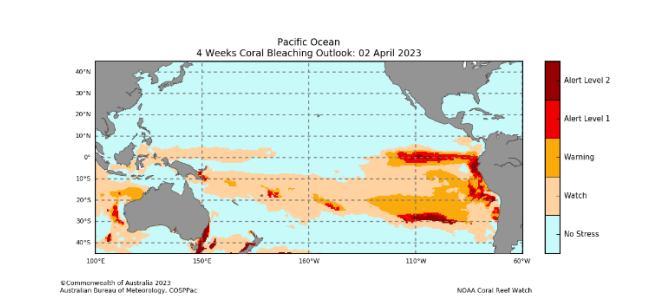
## Monthly sea level (Image 7):



## Seasonal sea level (Image 8):



## 4-week Coral Bleaching (Image 9):



## Summary Statement

### Monthly and last three months: February 2023/December 2022 to February 2023 statement

February rainfall was below normal at Kiritimati and Arorae, while Tarawa, Butariatri and Beru received normal rainfall.

For the three-month period, below normal rainfall was received at most stations, the exception being Kiritimati where near-normal rainfall observed. Arorae posted its driest December to February.

Kanton rainfall data is still now available.

## Part 1i. Monthly and Seasonal Outlooks for April and April to June 2023

### Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for April is likely or very likely to be near-normal over the Gilbert and Phoenix Islands. In the Line Islands, April's rainfall is very likely to be above normal at Kiritimati, Malden and Starbuck, while near-normal is most likely for Tabuaeran. In the far south near Flint and Caroline Islands, rainfall is likely to be below normal.

The rainfall for April to June is very likely to be above normal over the northern parts of all the Kiribati groups. The southern parts of the Gilbert and Phoenix Groups are likely or very likely to record near-normal April to June rainfall, while below normal is very likely in the south of the Line Islands.

Maximum and minimum temperatures during April and April June are very likely to be above normal for all Kiribati groups.

## Part 2: Recent Ocean summary statement

### Monthly and last three months: February 2023/December 2022 to February 2023

February ocean temperatures for all the Kiribati groups were 0.0 to -1.0°C below normal.

Averaged over December 2022 to February 2023, ocean temperatures for all the Kiribati groups were at most -1.0°C below normal.

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

Coral bleaching alert shows no thermal stress for Kiribati.

## Part 2i. Monthly and Seasonal Outlooks for April and April to June 2023

### Ocean Variable statement

February ocean temperatures are predicted to be 0.4 to 0.8°C above normal.

Averaged over April to June, ocean temperatures for Kiribati are predicted to be 0.4 to 1.2°C above normal, with 0.8 to 1.2°C predicted for Gilbert group, northern Phoenix and northern Line group.

April and April to June, sea levels around the Gilbert, Northern Phoenix and Northern/Central Line groups are predicted to be 30mm to 100mm above normal. Below normal sea levels are predicted for southern Phoenix and southern Line group ranging from -30 to -100mm.

The 4 weeks coral bleaching outlook shows that Northern Gilbert group will be on watch level.

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

<b>Product</b>	<b>Date: February 2023</b>	<b>Stakeholder</b>	<b>Total Number of Participants</b>	<b>Number of male</b>	<b>Number of female</b>
Climate Bulletin	8 <sup>th</sup>	Government and Non-Government Organisations and Public subscribed to the products	161	45	73
Ocean Outlook	8 <sup>th</sup>	Government and Non-Government Organisations and Public subscribed to the products	161	45	73
Media release	8 <sup>th</sup>	National Media and KMS Staff	53	23	30
EAR Watch	14 <sup>th</sup>	Island Council Mayors & Clerks, KMS Staff	52	30	22
<b>Total</b>			<b>266</b>	<b>98</b>	<b>125</b>