## Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 189

## Country: Kiribati

## Part 1: Recent climate

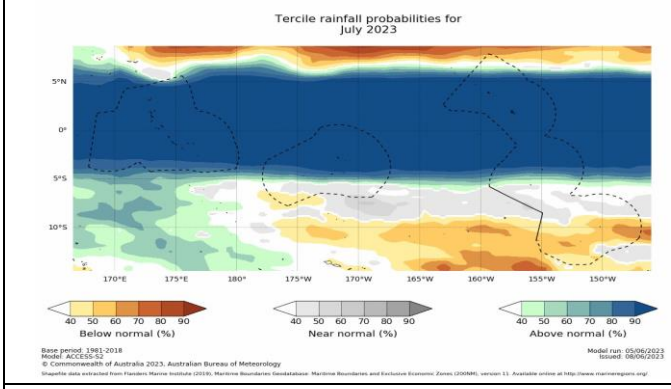
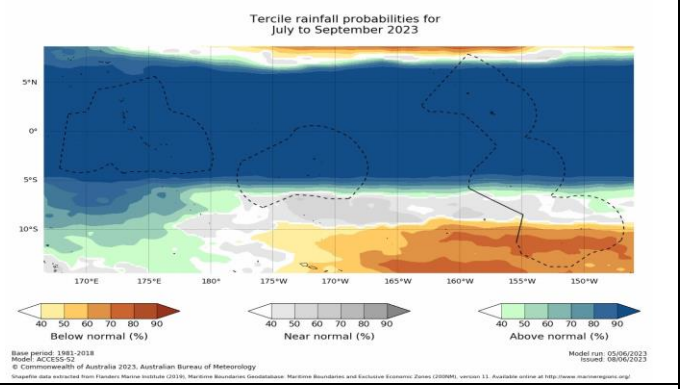
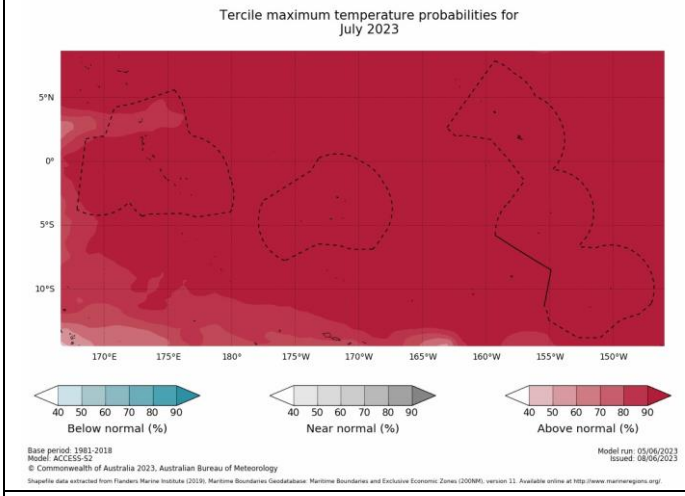
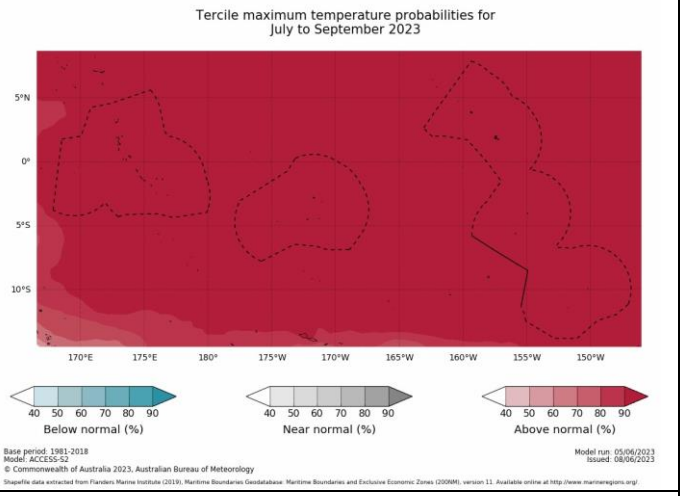
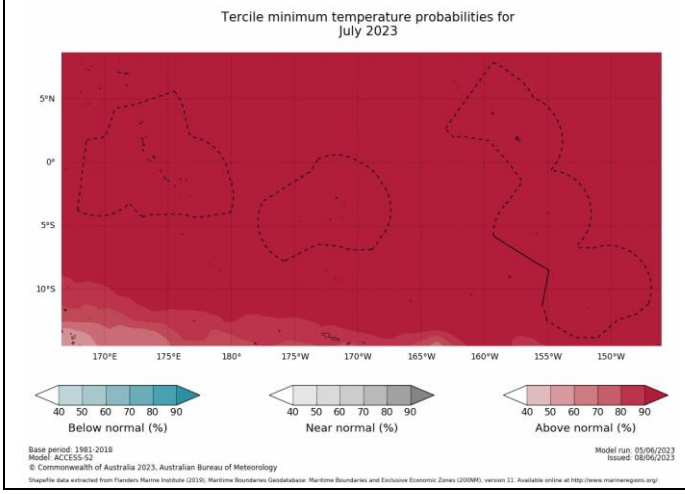
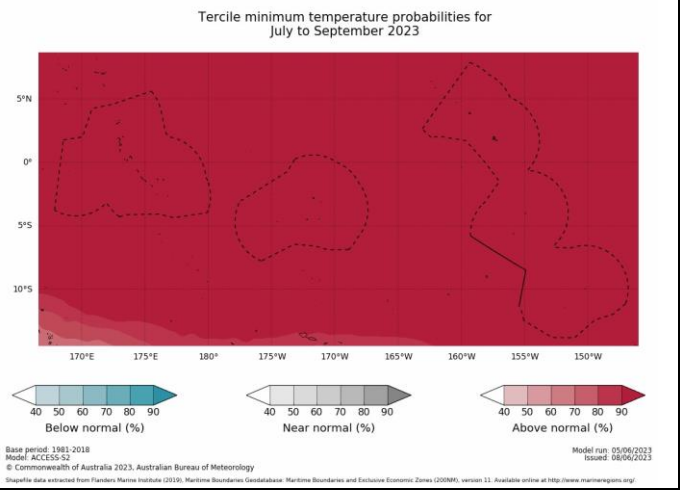
### TABLE 1: Monthly Rainfall

| Station (include data period) | Mar-2023 | Apr-2023 | May-2023 | | | | |
|---|---|---|---|---|---|---|---|
| | | | Total (mm) | 33%tile | 67%tile | Median | Rank |
| | Total (mm) | Total (mm) | Rainfall (mm) | | | | |
| Beru (1932-2023) | 1.4 | 92.7 | 220.9 | 36.7 | 97.0 | 66.5 | 57/67 |
| Butaritari (1931-2023) | 240.4 | 257.6 | 386.2 | 216.0 | 326.0 | 302.0 | 65/86 |
| Kanton (1937-2023) | 14.5 | 50.7 | 59.0 | 45.7 | 91.9 | 58.7 | 32/65 |
| Kiritimati (1921-2023) | 81.3 | 87.8 | 373.0 | 29.6 | 106.1 | 56.0 | **98/99** |
| Tarawa (1950-2023) | 76.5 | 137.5 | 161.3 | 94.5 | 170.0 | 139.6 | 46/76 |
| Arorae (1950-2023) | 24.0 | 111.9 | 163.1 | 58.4 | 148.0 | 100.5 | 41/57 |

### TABLE 2: Three-month Total Rainfall for March to May 2023

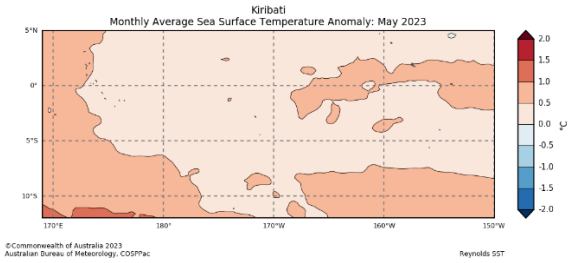
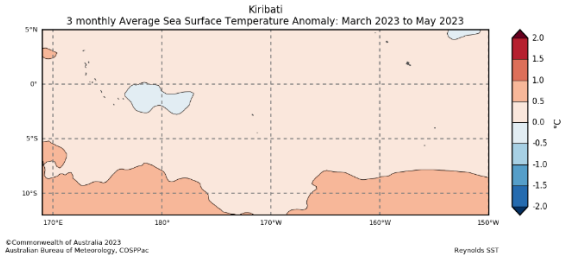
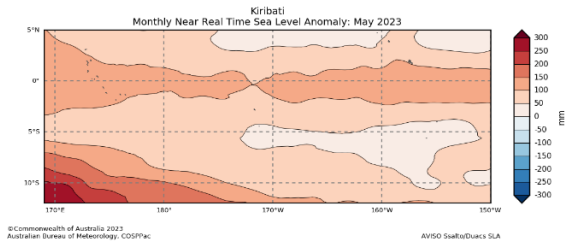
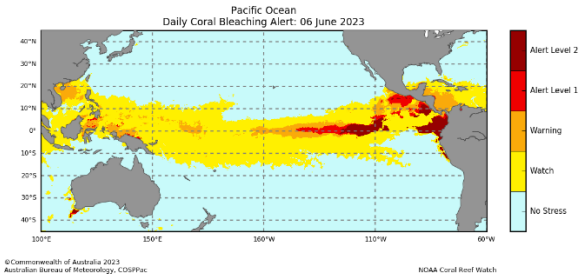
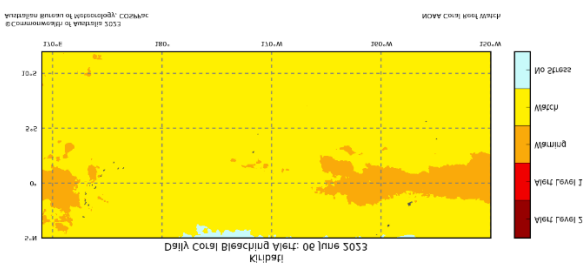
| Station | Three-month Total | | 33%tile | 67%tile | Median | Rank |
|---|---|---|---|---|---|---|
| | Rainfall (mm) | | | | | |
| Beru (1932-2023) | 315.0 | Normal | 152.2 | 379.0 | 257.5 | 39/66 |
| Butaritari (1931-2023) | 884.2 | Normal | 693.0 | 1084.0 | 941.1 | 40/86 |
| Kanton (1937-2023) | 124.2 | Below normal | 135.9 | 224.8 | 182.3 | 23/65 |
| Kiritimati (1921-2023) | 542.1 | Above normal | 302.3 | 464.3 | 365.5 | 81/98 |
| Tarawa (1950-2023) | 375.3 | Normal | 328.9 | 665.0 | 490.0 | 30/76 |
| Arorae (1950-2023) | 299.0 | Normal | 241.1 | 516.0 | 345.0 | 24/55 |

# Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

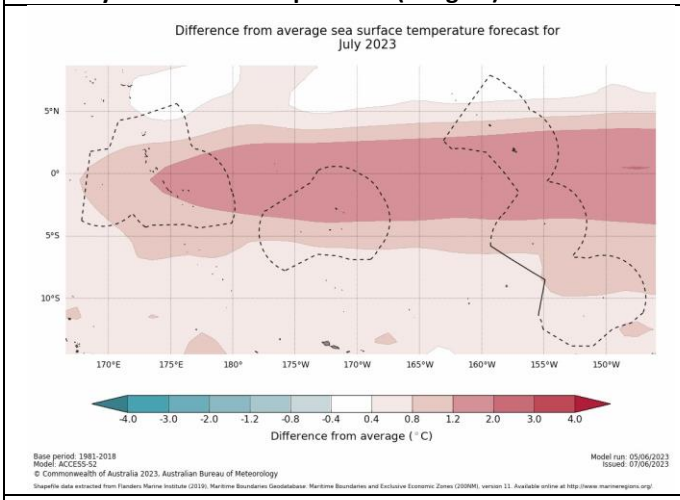
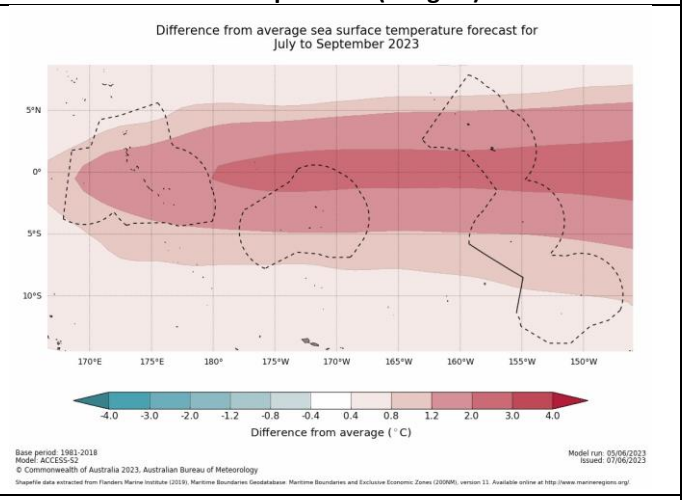
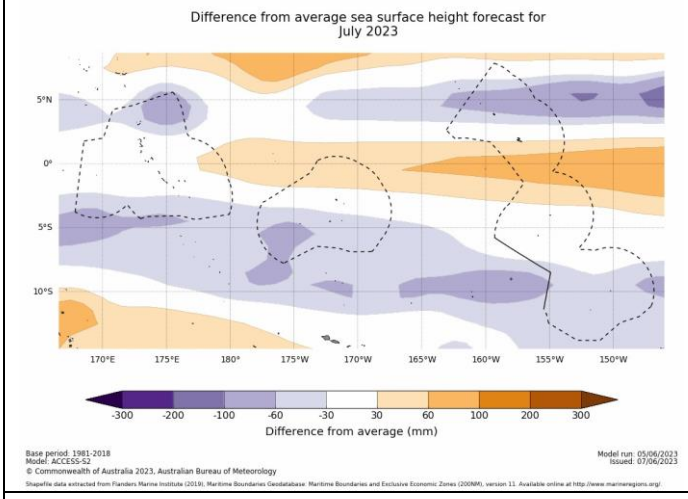
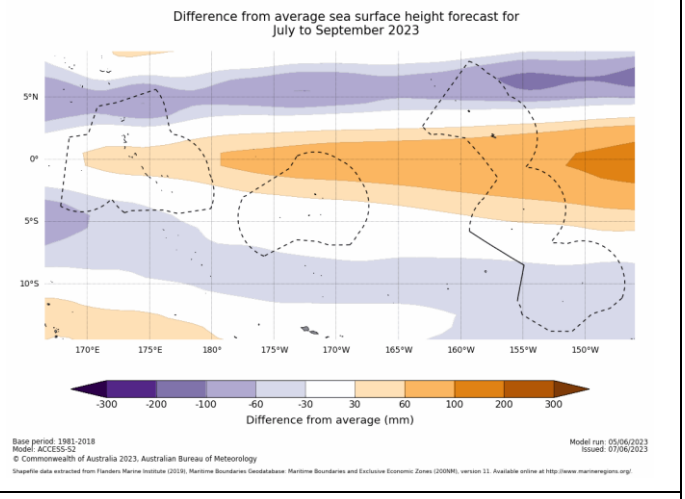
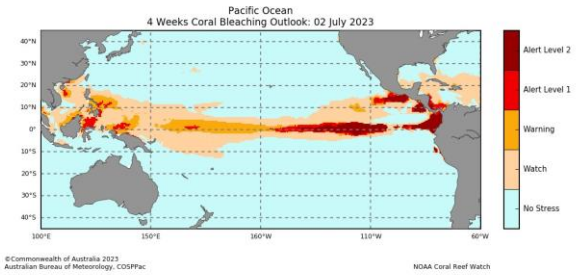
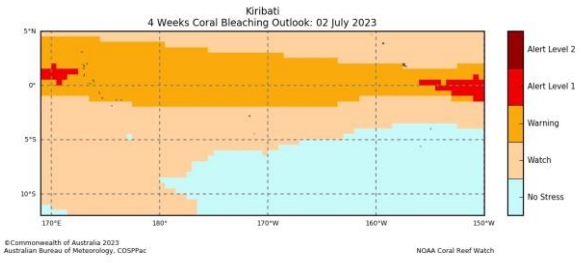
| Monthly: July | Seasonal: July to September |
|---|---|
| **Rainfall (Image 1)** | **Rainfall (Image 2)** |
|  |  |
| **Monthly Maximum temperature (Image 3):** | **Seasonal maximum temperature (Image 4):** |
|  |  |
| **Monthly minimum temperature (Image 5):** | **Seasonal minimum temperature (Image 6):** |
|  |  |

# Part 2: Recent Ocean Observation

## Monthly/Three months: May and March to May 2023

| **Monthly: May** | **Last three months: March to May 2023:** |
|---|---|
| **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 July and July to September 2023

| Monthly: July | Seasonal: July to September |
|---|---|
| **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: May 2023/March to May 2023 statement**

May rainfall was above normal at a majority of stations, with Kanton and Tarawa recording near-normal totals. Kiritimati recorded its second wettest May on record.

For the three-month period, Kanton received below normal rainfall, while Kiritimati recorded above normal rainfall. The rest of the stations received near-normal rainfall.

## Part 1i. Monthly and Seasonal Outlooks for July and July to September 2023

**Monthly /Seasonal rainfall and temperature Outlook statements**

The rainfall for July and July to September is very likely to be above normal over the Gilbert group, plus the Northern Line and Phoenix groups. One exception is southern part of the Line group where rainfall is likely or very likely to be below normal. The other exceptions are the southern Phoenix and central Line Groups where near-normal is likely.

Maximum and minimum temperatures during July and averaged over July to September are very likely to be above normal.

## Part 2: Recent Ocean summary statement

**Monthly and last three months: May 2023/March to May 2023**

May ocean temperatures around Kiribati were 0.0 to 1.0°C above normal.

Averaged over March to May, ocean temperatures around Kiribati were near-normal.

May sea levels around Kiribati were 50mm to 150mm above normal.

## Part 2i. Monthly and Seasonal Outlooks for July and July to September 2023

**Ocean Variable statement**

July ocean temperatures around Kiribati are predicted to be 0.4 to 2.0°C above normal.

Averaged over July to September, ocean temperatures around Kiribati are predicted to be 0.4 to 3.0°C above normal.

July and July to September Sea levels around the Kiribati region are predicted to be 30mm to 100mm above normal. Below normal sea is expected for the southern part of all the groups and northern Gilbert and Line groups are predicted to be -30mm to -100mm below normal.

The 4-weeks coral bleaching outlook shows warning level for the whole region.

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

| Product | Date: May 2023 | Stakeholder | Total Number of Participants | Number of Male | Number of Female | Comments (If there are comments from you Stakeholders) |
|---|---|---|---|---|---|---|
| Climate Bulletin | 11 | Government and Non-Government Organisations and Public subscribed to the products | 118 | 45 | 73 | |
| EAR Watch | 11 | Island Council Mayors & Clerks, Drought Committee members, KMS Staff | 62 | 35 | 27 | |
| Media release | 11 | National Media and KMS Staff | 53 | 23 | 30 | |
| Ocean Outlook | 11 | Government and Non-Government Organisations and Public subscribed to the products | 118 | 45 | 73 | |
| Climate data request | May | High school students & | 9 | 5 | 4 | |
| | | **Total** | **242** | **108** | **134** | |