

Country: Kiribati

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) |         |         |        |       |
|                               | Beru (1932-2024) | 74.9       | 203.0         | 39.9    | 50.0    | 114.0  |       |
| Butaritari (1931-2024)        | 343.9            | 588.9      | 373.8         | 236.3   | 317.0   | 293.4  | 57/87 |
| Kanton (1937-2024)            | 145.1            | 84.9       |               | 46.3    | 100.0   | 72.6   |       |
| Kiritimati (1921-2024)        | 152.1            | 287.5      | 136.6         | 102.8   | 202.7   | 144.0  | 56/99 |
| Tarawa (1950-2024)            | 181.3            | 451.0      | 239.8         | 108.1   | 214.6   | 147.8  | 56/78 |
| Arorae (1950-2023)            |                  |            |               | 97.0    | 190.0   | 124.0  |       |

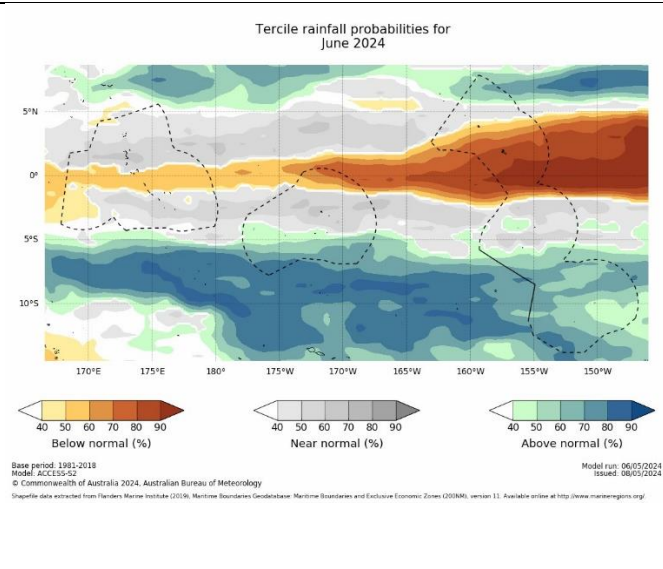
TABLE 2: Three-month Total Rainfall for February to April 2024

| Station                | Three-month Total |              | 33%tile | 67%tile | Median | Rank  |
|------------------------|-------------------|--------------|---------|---------|--------|-------|
|                        | Rainfall (mm)     |              |         |         |        |       |
| Beru (1932-2024)       | 317.8             | Normal       | 112.0   | 398.0   | 213.0  | 38/67 |
| Butaritari (1931-2024) | 1306.6            | Above normal | 671.6   | 1111.8  | 911.7  | 71/87 |
| Kanton (1937-2024)     |                   |              | 83.0    | 207.9   | 144.5  |       |
| Kiritimati (1921-2024) | 576.2             | Above normal | 267.2   | 445.9   | 322.7  | 85/99 |
| Tarawa (1950-2024)     | 872.1             | Above normal | 309.2   | 852.4   | 545.2  | 53/78 |
| Arorae (1950-2023)     |                   |              | 228.0   | 573.5   | 359.0  |       |

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

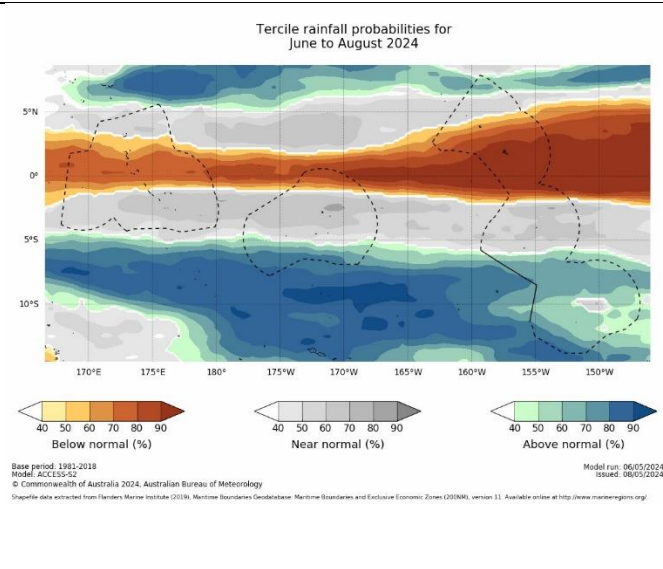
Monthly: June

Rainfall (Image 1)

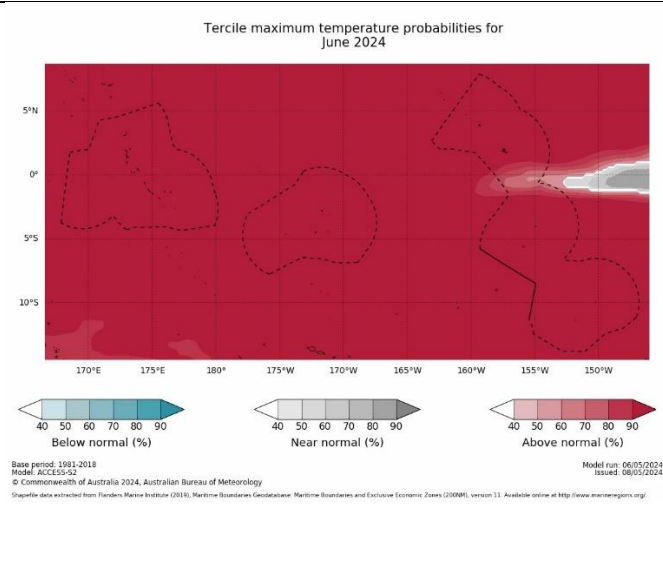


Seasonal: June to August

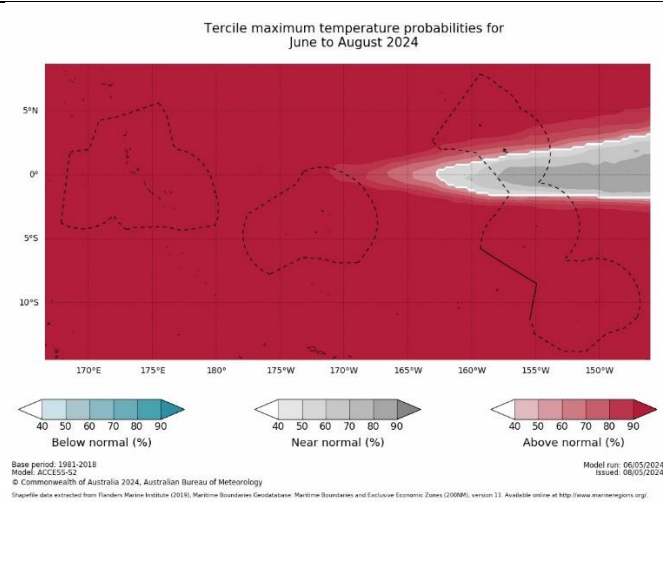
Rainfall (Image 2)



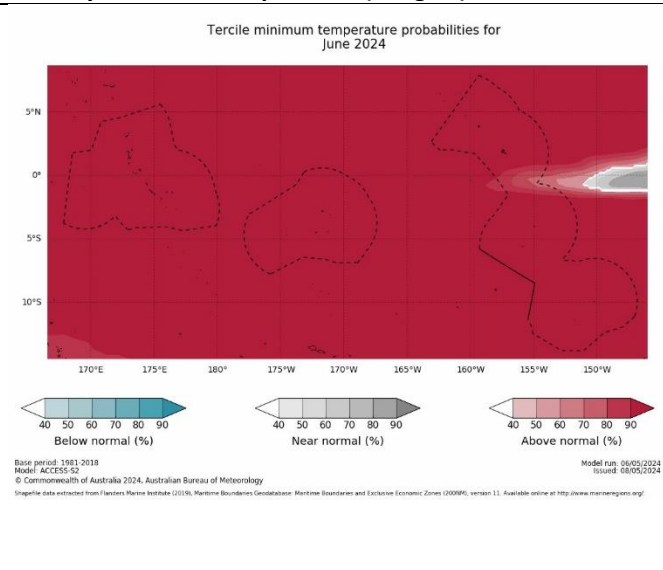
Monthly Maximum temperature (Image 3):



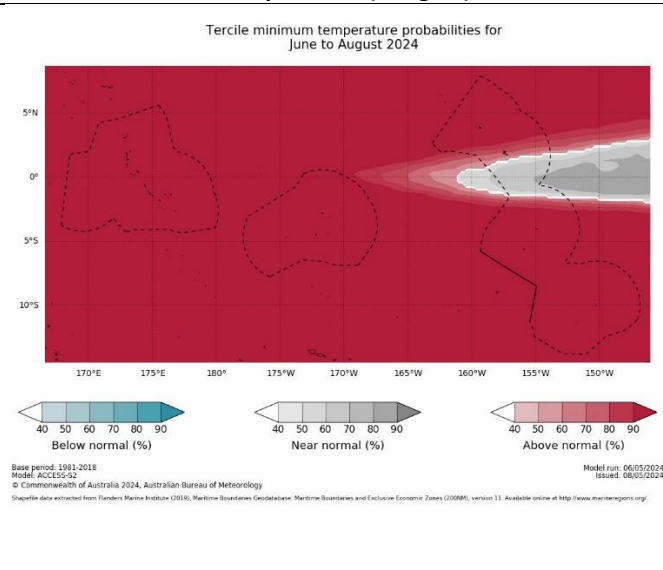
Seasonal maximum temperature (Image 4):



Monthly minimum temperature (Image 5):



Seasonal minimum temperature (Image 6):

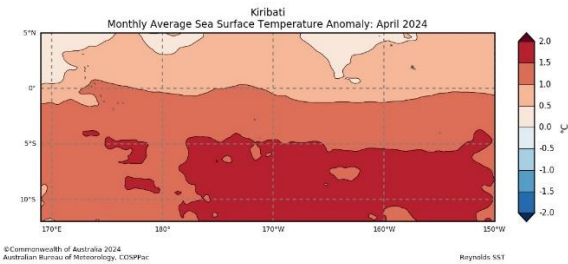


Part 2: Recent Ocean Observation

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

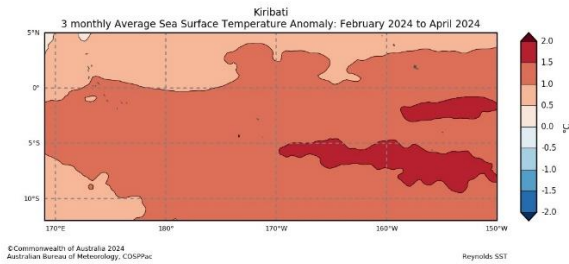
Monthly: April 2024

Sea Surface Temperature (Image 1):

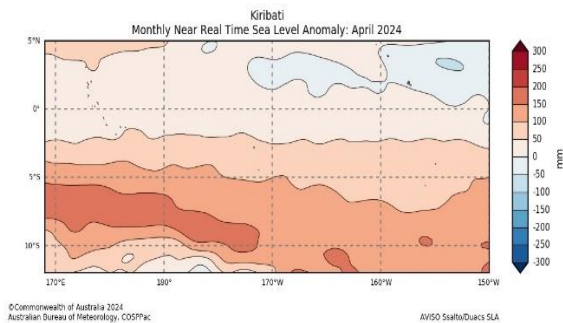


Last three months: February to April 2024:

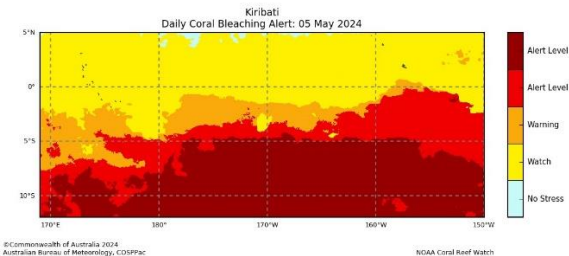
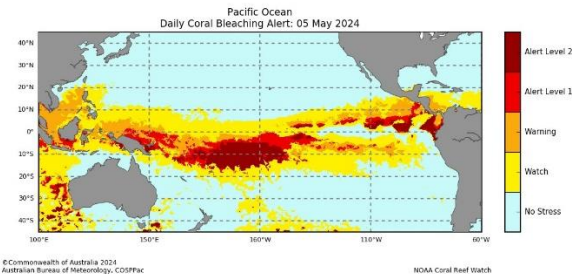
Sea Surface Temperature (Image 4):



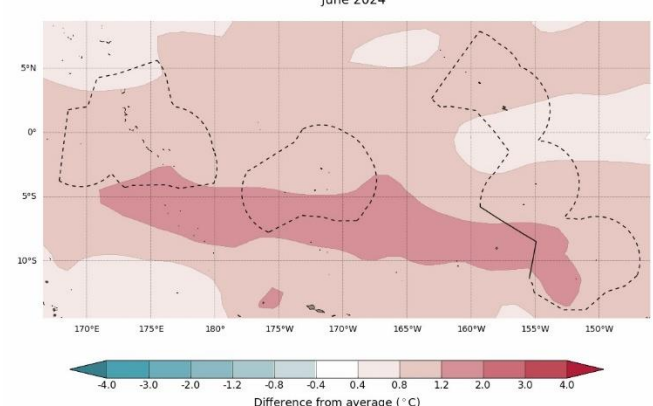
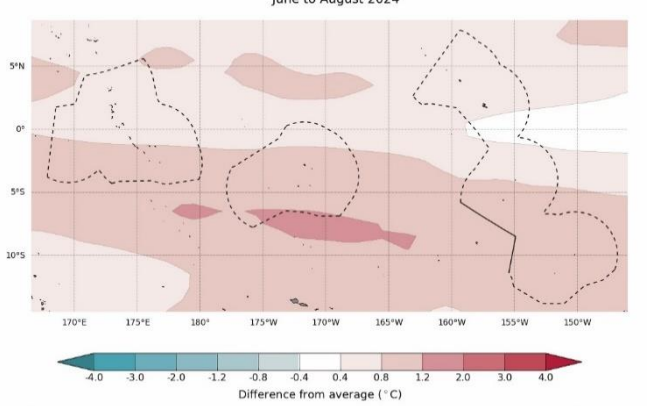
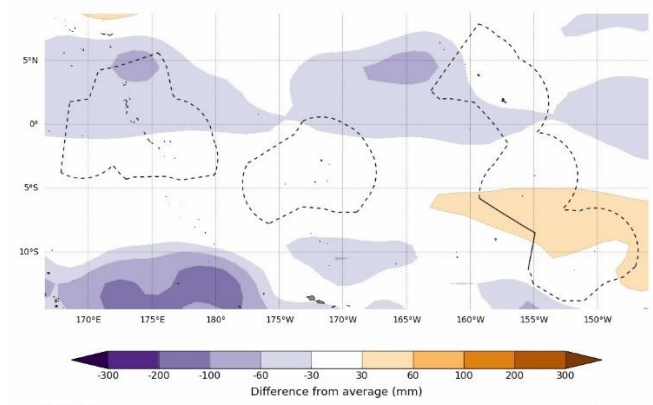
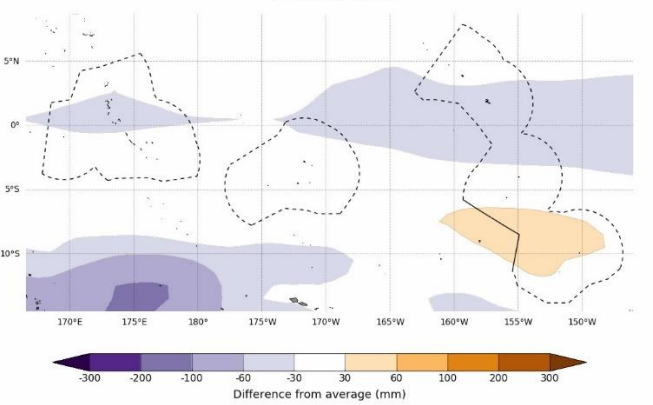
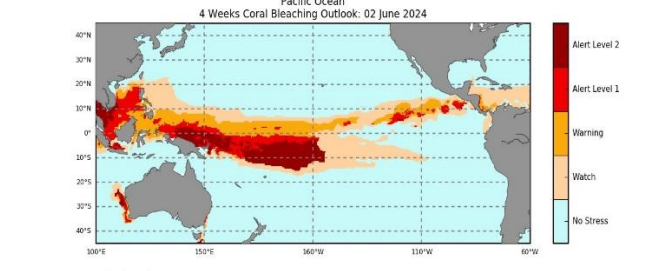
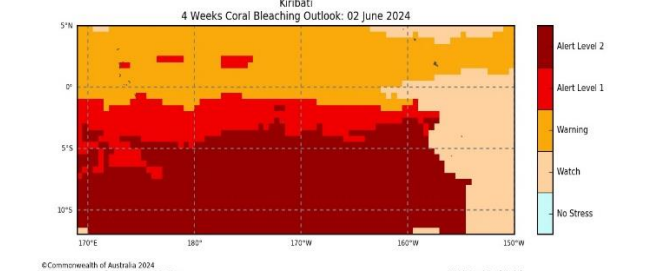
Sea level (Image 2):



Daily coral bleaching alert (Image 3):



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<br/>Model: ACCESS-S2<br/>© Commonwealth of Australia 2024, Australian Bureau of Meteorology<br/>Shapellin data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.marinegovernors.org/">http://www.marinegovernors.org/</a></p><p>Model run: 06/05/2024<br/>Issued: 08/05/2024</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<br/>Model: ACCESS-S2<br/>© Commonwealth of Australia 2024, Australian Bureau of Meteorology<br/>Shapellin data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.marinegovernors.org/">http://www.marinegovernors.org/</a></p><p>Model run: 06/05/2024<br/>Issued: 08/05/2024</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<br/>Model: ACCESS-S2<br/>© Commonwealth of Australia 2024, Australian Bureau of Meteorology<br/>Shapellin data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.marinegovernors.org/">http://www.marinegovernors.org/</a></p><p>Model run: 06/05/2024<br/>Issued: 08/05/2024</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<br/>Model: ACCESS-S2<br/>© Commonwealth of Australia 2024, Australian Bureau of Meteorology<br/>Shapellin data extracted from Flinders Marine Institute (2019), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <a href="http://www.marinegovernors.org/">http://www.marinegovernors.org/</a></p><p>Model run: 06/05/2024<br/>Issued: 08/05/2024</p></div>                   |
| <div>4-week Coral Bleaching (Image 9):</div> <div><p>Pacific Ocean<br/>4 Weeks Coral Bleaching Outlook: 02 June 2024</p><p>© Commonwealth of Australia 2024<br/>Australian Bureau of Meteorology, COSPac</p><p>NOAA Coral Reef Watch</p></div>  | <div><p>Kiribati<br/>4 Weeks Coral Bleaching Outlook: 02 June 2024</p><p>© Commonwealth of Australia 2024<br/>Australian Bureau of Meteorology, COSPac</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 above normal over Butaritari and Tarawa, near-normal at Kiritimati, and below normal at Beru station. For the past three months, rainfall was above normal over all stations except for Beru which was near-normal.

Kanton and Arorae rainfall data were missing.

## 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 the northern Line Islands, the northern Phoenix Islands and the central Gilbert Islands. In the southern areas of both the Line and Phoenix Islands, the outlook shows June's rainfall is likely to be above normal. Near-normal rainfall is likely in remaining areas.

The rainfall outlook for June to August is almost identical, except that most of the Gilbert Islands are likely to receive below normal rainfall.

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

## Part 2: Recent Ocean summary statement

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

April and averaged over February to April, ocean temperatures around Kiribati were 0.5 to 1.5°C above normal.

April sea levels around the groups were up to 150mm above normal.

The daily coral bleaching was on watch for most of the Gilbert and northern Line islands. The Phoenix and southern Line islands were on alert level 1.

## 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 Kiribati are predicted to be 0.4 to 1.2°C above normal.

June sea levels are predicted to be 30 to 60mm below normal around the central and northern parts of the Gilbert group, 30 to 60mm above normal around part of the southern Line Island group and near-normal elsewhere around the groups.

Averaged over June to August, sea levels are predicted to be 30mm to 60mm below normal around some parts of the Gilbert and Line groups, above normal for part of southern Line Island group and near-normal over the rest of the groups.

The 4-week coral bleaching around the northern Gilbert and Line groups are expected to be on watch. The southern Gilbert and Phoenix islands are projected to be on alert level 1.

## IN BRIEF for Teleconference

- April rainfall varied from below normal to above normal, but totals for February to April were mainly above normal.
- The rainfall outlook indicates a mixture of below normal, near-normal and above normal for June and June to August.
- 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.
- Sea-surface heights (SSH) were above normal for April. Below normal sea surface heights are predicted for June and June to August.
- Coral bleaching was on watch. Alert level 1 was predicted for some parts of the Kiribati region.

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

| Product                 | Date:<br>April<br>2024 | Stakeholder   | Total<br>Number of<br>Participants | Number of<br>Male | Number of<br>Female | Comments (If<br>there are<br>comments<br>from you<br>Stakeholders) |
|-------------------------|------------------------|---|------------------------------------|-------------------|---------------------|--|
| Climate<br>Bulletin     | 8 <sup>th</sup>        | Government and<br>Non-Government<br>Organisations and<br>Public subscribed to<br>the products | 158                                | 70                | 88                  |  |
| EAR Watch               | 12th                   | Drought<br>committee members.   | 62                                 | 35                | 27                  |  |
| Media release           | 8th                    | KMS Staff and<br>Media.   | 53                                 | 23                | 30                  |  |
| Ocean Outlook           | 8th                    | Government and<br>Non-Government<br>Organisations and<br>Public subscribed to<br>the products | 158                                | 70                | 88                  |  |
| Climate data<br>request | 6-18th                 | International,<br>Government, SOEs<br>and private entities.                                   | 9                                  | 6                 | 3                   |  |
| <b>Total</b>            |                        |   | <b>440</b>                         | <b>204</b>        | <b>236</b>          |  |