

Country: Kiribati

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Mar-2024	Apr-2024	May-2024				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
	Beru (1932-2024)	203.7	40.1	41.1	41.7	99.0	
Butaritari (1931-2024)	588.9	373.8	296.1	224.0	328.5	302.9	41/87
Kanton (1937-2024)	84.9			46.9	93.6	62.0	
Kiritimati (1921-2024)	287.5	136.6	19.6	33.9	106.1	59.4	25/100
Tarawa (1950-2024)	451.0	239.8	152.2	95.6	168.6	141.2	45/77
Arorae (1950-2023)				59.2	154.0	101.0	

TABLE 2: Three-month Total Rainfall for March to May 2024

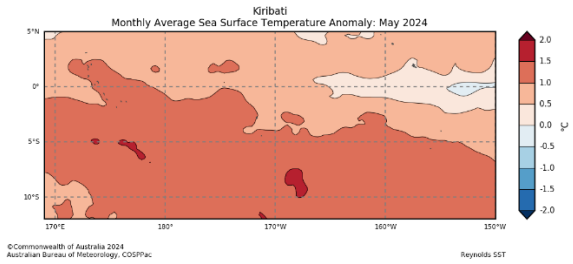
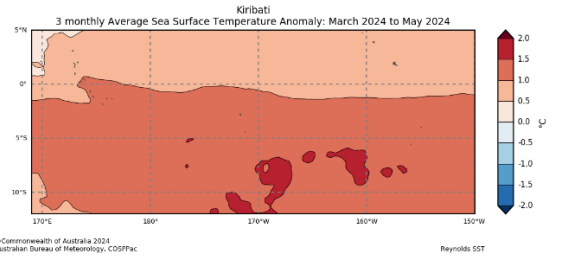
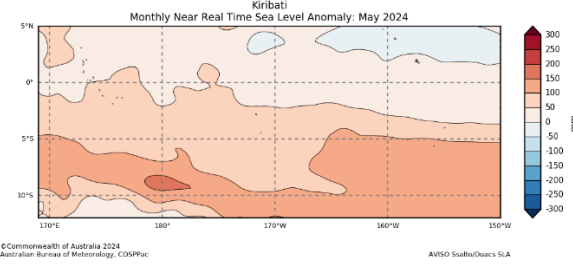
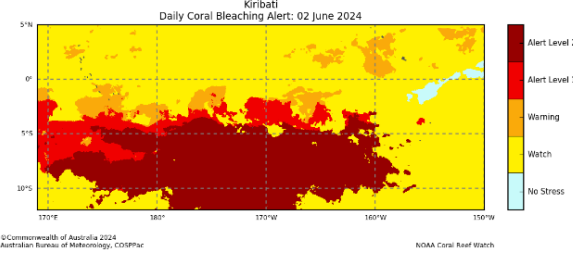
Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Beru (1932-2024)	284.9	Normal	158.0	378.0	264.0	36/67
Butaritari (1931-2024)	1258.8	Above normal	719.7	1074.7	940.6	66/87
Kanton (1937-2024)			128.6	224.8	180.1	
Kiritimati (1921-2024)	423.7	Normal	302.7	477.0	368.0	67/99
Tarawa (1950-2024)	843.0	Above normal	329.4	654.6	487.5	61/77
Arorae (1950-2023)			244.1	512.0	335.0	

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2024

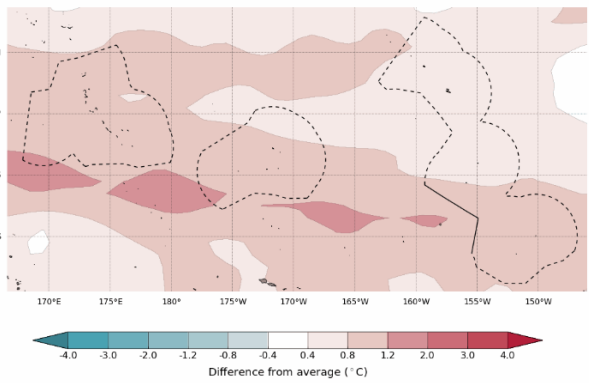
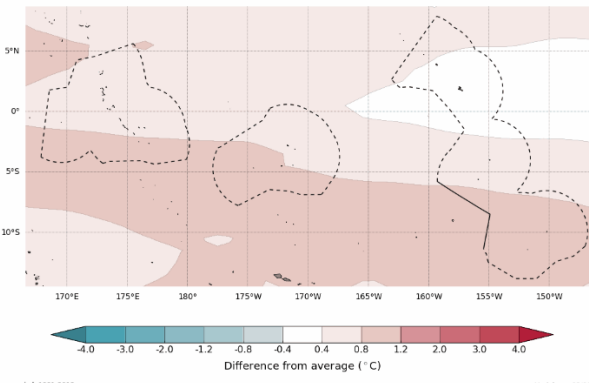
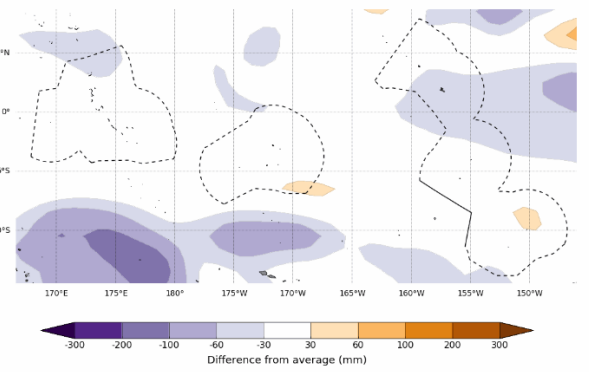
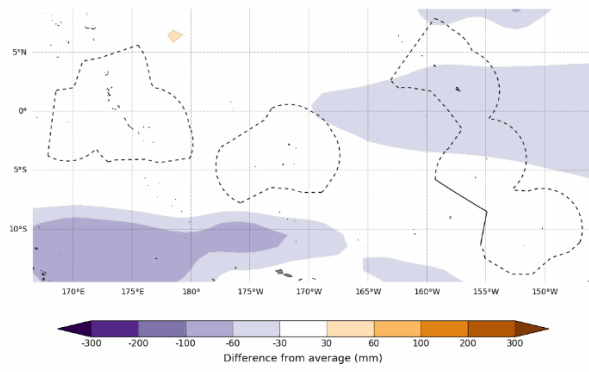
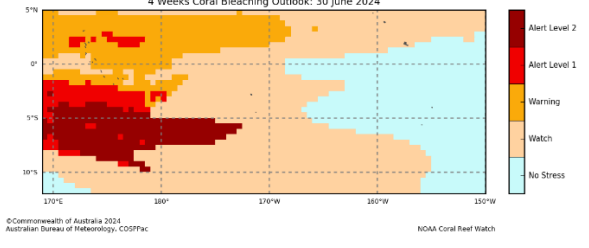
Monthly: July	Seasonal: July to September
Rainfall (Image 1)	Rainfall (Image 2)
<div><p>Tercile rainfall probabilities for July 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Randers Marine Institute (2016), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2009M), version 11. Available online at http://www.maritime.gov.au</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>	<div><p>Tercile rainfall probabilities for July to September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Randers Marine Institute (2016), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2009M), version 11. Available online at http://www.maritime.gov.au</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>
Monthly Maximum temperature (Image 3):	Seasonal maximum temperature (Image 4):
<div><p>Tercile maximum temperature probabilities for July 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Randers Marine Institute (2016), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2009M), version 11. Available online at http://www.maritime.gov.au</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>	<div><p>Tercile maximum temperature probabilities for July to September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Randers Marine Institute (2016), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2009M), version 11. Available online at http://www.maritime.gov.au</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>
Monthly minimum temperature (Image 5):	Seasonal minimum temperature (Image 6):
<div><p>Tercile minimum temperature probabilities for July 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Randers Marine Institute (2016), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2009M), version 11. Available online at http://www.maritime.gov.au</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>	<div><p>Tercile minimum temperature probabilities for July to September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Randers Marine Institute (2016), Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (2009M), version 11. Available online at http://www.maritime.gov.au</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>

Part 2: Recent Ocean Observation

Monthly/Three months: May 2024 and March to May 2024

<p>Monthly: May 2024</p> <p>Sea Surface Temperature (Image 1):</p>  <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>	<p>Last three months: March to May 2024:</p> <p>Sea Surface Temperature (Image 4):</p>  <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>
<p>Sea level (Image 2):</p>  <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>	
<p>Daily coral bleaching alert (Image 3):</p>  <p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSPPac</p>	

Part 2i. Monthly and Seasonal Outlooks for July and July to September 2024

Monthly: July	Seasonal: July to September
Monthly sea surface temperature (Image 5):	Seasonal sea surface temperature (Image 6):
<div><p>Difference from average sea surface temperature forecast for July 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Rasterio Marine Institute (2018), Maritime Boundaries and Exclusive Economic Zones (2018), version 11. Available online at http://www.marinegaps.org/</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>	<div><p>Difference from average sea surface temperature forecast for July to September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Rasterio Marine Institute (2018), Maritime Boundaries and Exclusive Economic Zones (2018), version 11. Available online at http://www.marinegaps.org/</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>
Monthly sea level (Image 7):	Seasonal sea level (Image 8):
<div><p>Difference from average sea surface height forecast for July 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Rasterio Marine Institute (2018), Maritime Boundaries and Exclusive Economic Zones (2018), version 11. Available online at http://www.marinegaps.org/</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>	<div><p>Difference from average sea surface height forecast for July to September 2024</p><p>Base period: 1981-2018 Model: ACCESS-S2 © Commonwealth of Australia 2024, Australian Bureau of Meteorology Shapefile data extracted from Rasterio Marine Institute (2018), Maritime Boundaries and Exclusive Economic Zones (2018), version 11. Available online at http://www.marinegaps.org/</p><p>Model run: 03/06/2024 Issued: 05/06/2024</p></div>
4-week Coral Bleaching (Image 9):	
<div><p>Kiribati 4 Weeks Coral Bleaching Outlook: 30 June 2024</p><p>©Commonwealth of Australia 2024 Australian Bureau of Meteorology, COSFrac</p><p>NOAA Coral Reef Watch</p></div>	

Summary Statement

Monthly and last three months: May 2024/March to May 2024 statement

The rainfall for May was normal over Butaritari and Tarawa. However, below- normal rainfall for Kiritimati and Beru. For the past three months, rainfall was above normal over Butaritari and Tarawa while normal rainfall over Beru and Kiritimati.

Data for Kanton is not available at time of reporting however Arorae station is temporarily closed.

Part 1i. Monthly and Seasonal Outlooks for July and July to September 2024

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for July is very likely to below normal over the northern of Line and Gilbert islands. In the southern Line and Phoenix group, the outlook shows July's rainfall is very likely to be above normal.

The rainfall for July to September is very likely to be below normal over the northern and central of the Gilbert and Line islands group. In the southern Line Island group, the outlook shows July to September's rainfall is very likely to be above normal.

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

Part 2: Recent Ocean summary statement

Monthly and last three months: May 2024/March to May 2024

May and averaged over March to May ocean temperatures around Kiribati region were 0.5 to 1.0°C above normal.

May sea levels around the Gilbert, Phoenix and Line Islands groups were near-normal on the northern part and above-normal over the southern half of the groups. The daily coral bleaching for the Gilbert and Line islands group were on Watch and Warning. The phoenix group was on Alert Level 2 over the southern half and Alert Level 1 over part of the northern half of the group.

Part 2i. Monthly and Seasonal Outlooks for July and July to September 2024

Ocean Variable statement

July ocean temperatures around the Kiribati region are predicted to be 0.4 to 1.2°C above normal.

Averaged over July to September, ocean temperatures around the Northern and Southern of Gilbert, Line and Phoenix group are predicted to be 0.4 to 1.2°C above normal. However, Tabuaeran and Kiritimati were predicted to be near-normal.

July sea levels and averaged July to September are predicted to be near normal for the Kiribati region except for 30 to 60mm below normal over part of the northern Line island group.

The 4-week coral bleaching outlook is on Watch, Warning and Alert Level 1 for the Gilbert Island group, Alert level 2 for southern part of the Phoenix Island group. A watch status for part of northern Line island group and the rest show no stress.

IN BRIEF for Teleconference

- Rainfall was below normal for July and July to September, except Beru and Kiritimati where rainfall was near normal and below normal for both periods.
- The rainfall outlook generally indicates below normal most likely in July and July to September.
- SSTs were near-normal for May and near-normal to above normal for March to May. The outlook shows above normal SSTs for the next one and three months.
- Sea-surface heights (SSHs) were near-normal to above normal for May. Near normal sea surface heights are predicted for July and July to September.
- Coral bleaching outlook shows Alert level 2 for southern part of the Phoenix Island group and Alert level 1 for southern part of the Gilbert Island group..

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

Product	Date: May 2024	Stakeholder	Total Number of Participants	Number of Male	Number of Female	Comments (If there are comments from you Stakeholders)
Climate Bulletin	12 th	Government and Non-Government Organisations and Public Subscribed to the Products	158	70	88	Acknowledged by Line group networks and Island clerks from outer islands.
EAR Watch	15 th	Drought Committee members	62	35	27	Acknowledged by Disaster Office.
Media Release	10 th	KMS Staff and Media	53	23	30	Acknowledged by Line group networks and Island clerks from outer islands.
Ocean Outlook	12 th	Government and Non-Government Organisations and Public Subscribed to the products	158	70	88	Acknowledged by Line group networks and Island clerks from outer islands.
Climate data request	5 th -27 th	Government, SOEs and Private entities	20	10	10	
Total			293	138	155	