Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 177

**Country: Kiribati** 

Part 1: Recent climate

**TABLE 1: Monthly Rainfall** 

Station (include data period)	Mar- 2022	Apr-2022	May-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nank
Beru (1932-2022)	30.6	88.3	9.2	40.9	98.0	69.2	7/66
Butaritari (1931-2022)	179.4	171.4	68.7	217	326.2	302.1	4/85
Kanton (1937-2022)							
Kiritimati (1921-2022)	11.0	39.1	18.7	30.3	107.1	59.5	23/98
Tarawa (1950-2022)	68.4	9.5	30.4	96.7	170.4	140.4	6/75
Arorae (1950-2022)	6.8	30.2	2.7	60.0	153.0	101.0	1/56

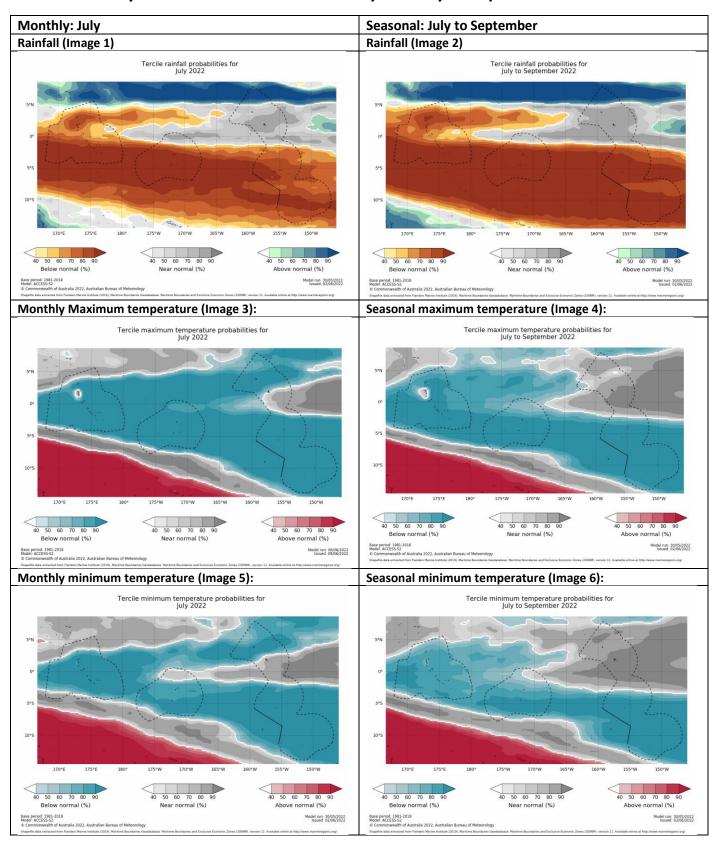
**TABLE 2: Three-month Total Rainfall for March to May 2022** 

Station	Three-month Total		33%tile	67%tile	Median	Rank	
Beru (1932-2022)	128.1	Below normal	158.7	380.0	264.0	19/65	
Butaritari (1931-2022)	419.5	Below normal	746.4	1087.7	942.6	8/85	
Kanton (1937-2022)							
Kiritimati (1921-2022)	68.8	Below normal	303.1	470.7	368.0	6/97	
Tarawa (1950-2022)	108.3	Below normal	329.8	672.7	503.6	4/75	
Arorae (1950-2022)	39.7	Below normal	249.7	520.0	355.0	1/54	

 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$ 

Very High:  $25 \le X < 35$  Exceptional:  $X \ge 35$ 

# Part 1i. Monthly and Seasonal Outlooks for July and July to September 2022



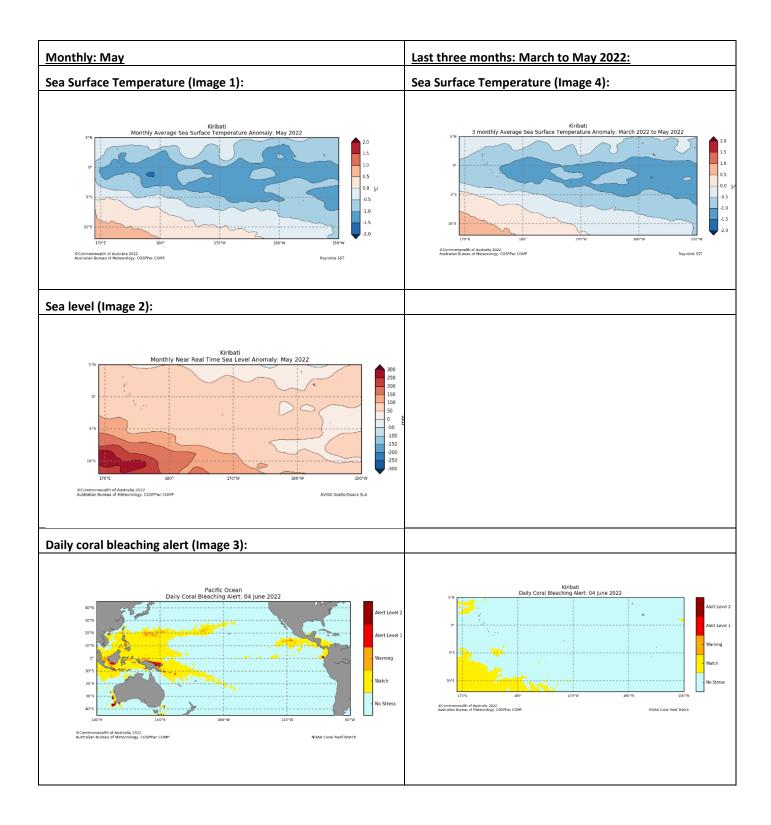
#### NB: The X LEPS % score has been categorised as follows:

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Very High: 25 ≤X < 35 Exceptional: X ≥ 35

# Part 2: Recent Ocean summary statement

## Monthly: May 2022

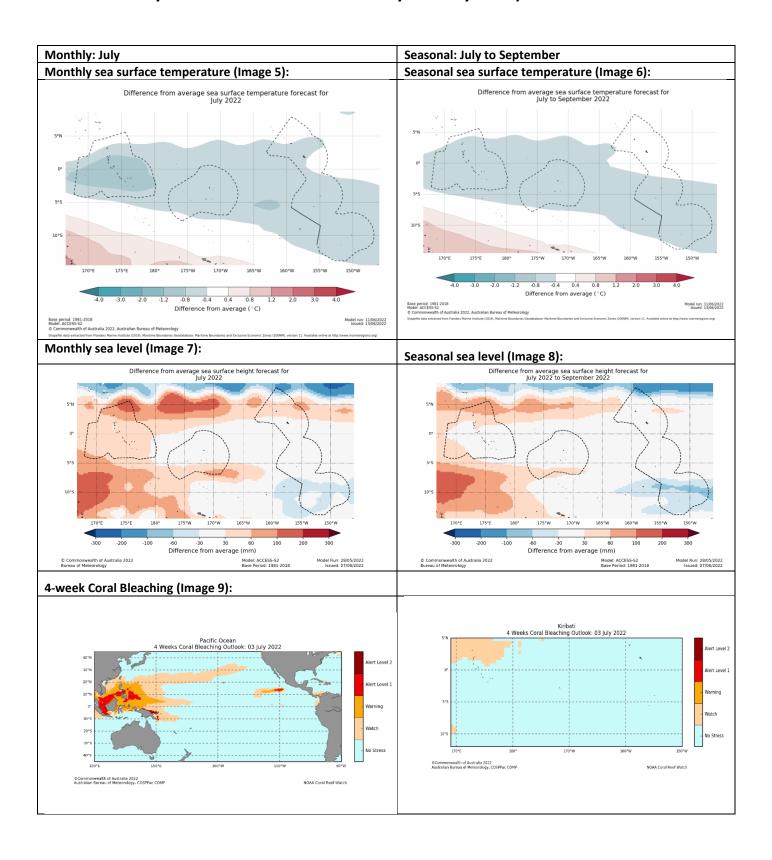


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# Part 2i. Monthly and Seasonal Outlooks for July and July to September 2022



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## **Summary Statement**

### Monthly and last three months: May 2022/March to May 2022 statement (Highly significant changes)

Below normal rainfall was received at all stations. Arorae, Butaritari, Tarawa and Beru recorded their  $1^{st}$ ,  $4^{th}$  and  $6^{th}$ , driest records for May, respectively.

For the last three months, all stations recorded below normal rainfall. Arorae, Tarawa, Kiritimati and Butaritari recorded their  $1^{st}$ ,  $4^{th}$ ,  $6^{th}$  driest for March to May records, respectively.

# Part 1i. Monthly and Seasonal Outlooks for July and July to September 2022

## Monthly /Seasonal rainfall and temperature Outlook statements (Highly significant changes)

Below normal rainfall is very likely for all the Kiribati region however, the northern most parts of the Line and Phoenix is very likely to be normal for next month and next 3 months.

Temperature pattern outlooks is quite similar with for next month and 3 months which is very likely to below normal for all the Kiribati region except for the northern most parts of the Line group which is very likely to be normal for the 3 months period.

## Part 2: Recent Ocean summary statement

#### Monthly and last three months: May/March to May 2022 (Highly significant changes)

Kiribati experienced below average SST ranging from -0.5 to −1.5 degrees for the last one- and three-months periods.

For May 2022, above normal sea level differences of 50-100mm was experienced for Gilbert, Phoenix Islands, and parts of Line Islands.

Daily coral bleaching alert for 4<sup>th</sup> June indicates 'Watch' for waters near Gilbert Islands with remainder of Kiribati showing no thermal stress.

## Part 2i. Monthly and Seasonal Outlooks for July and July to September 2022

#### **Ocean Variable statement** (Highly significant changes)

The monthly SST outlook reveals normal to below average SST for Kiribati with significant differences of -0.8 to -2.0 degrees over Gilbert Islands for July 2022. The seasonal SST outlook reveals normal to below average SST differences of 0.4 to -0.8 degrees.

The monthly and seasonal sea level height have a similar pattern where Gilbert and some parts of the northern Phoenix groups are expected to be above average while normal at across central Kiribati and below normal at southern parts of the Line group.

The 4-week coral bleaching alert indicating a 'watch' level for the northern Gilbert group while no thermal stress for the rest of the Kiribati groups.

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

Product	Date: May 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	6 <sup>th</sup>	Government and Non-Government Organisations and public subscribed to the products.	118	40	22
Ocean Outlook	6 <sup>th</sup>	Government and Non-Government Organisations and public subscribed to the products.	118	40	22
Media release	6 <sup>th</sup>	National Media and KMS Staff	53	23	30
		Total	171	63	52

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