Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 174

Country: Kiribati

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Dec-2021	Jan-2022	Feb-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Natik
Beru (1932-2022)	8.6	164.6	18.8	10.0	152.2	48.0	26/66
Butaritari (1931-2022)	95.6	196.2	305.8	188.0	315.0	257.5	58/85
Kanton (1937-2022)				5.0	54.4	7.9	
Kiritimati (1921-2022)	4.3	12.0	7.4	19.2	58.3	35.0	13/97
Tarawa (1950-2022)	12.6	67.4	69.1	68.7	271.2	182.0	25/75
Arorae (1950-2022)	62.1	112.6	10.7	22.0	199.0	65.0	14/56

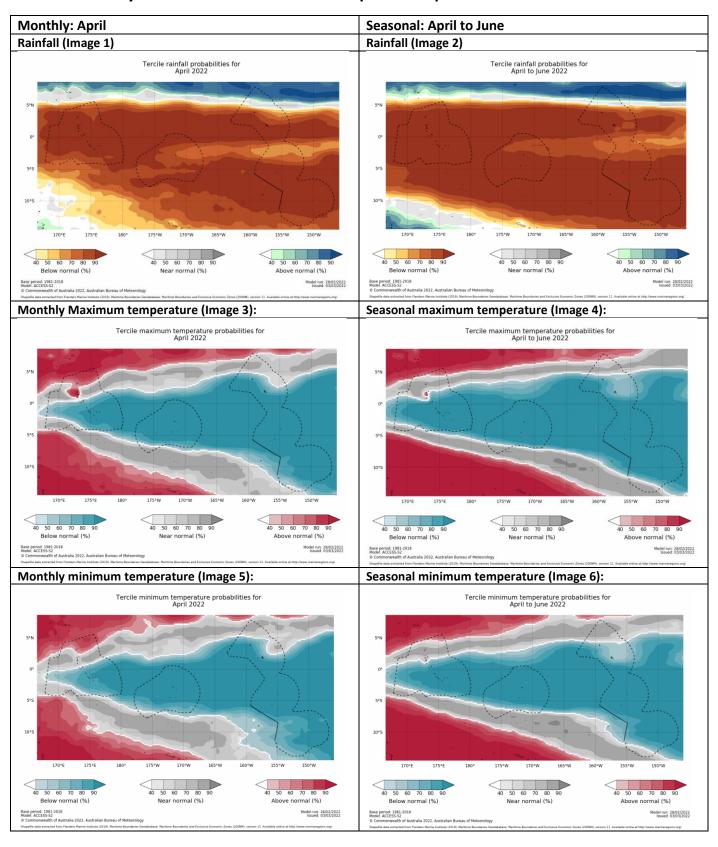
TABLE 2: Three-month Total Rainfall for December 2021 to February 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank	
		Rai	infall (mm)				
Beru (1932-2022)	192.0	Normal	153.0	666.3	349.0	23/65	
Butaritari (1931-2022)	597.6	Below normal	613.1	1085.3	886.0	28/83	
Kanton (1937-2022)			30.3	209.3	66.3		
Kiritimati (1921-2022)	23.7	Below normal	40.7	132.7	89.8	13/86	
Tarawa (1950-2022)	149.1	Below normal	385.1	852.5	674.9	13/74	
Arorae (1950-2022)	185.4	Below normal	260.3	715.0	491.0	16/54	

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

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

Part 1i. Monthly and Seasonal Outlooks for April and April to June 2022



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Part 2: Recent Ocean summary statement

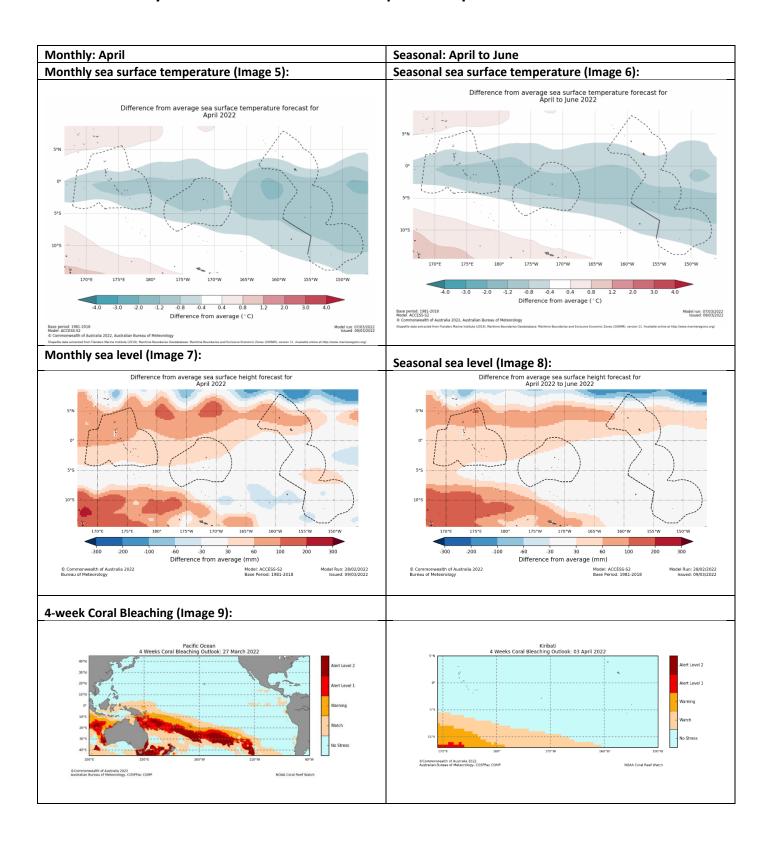
Monthly: February 2022

Monthly: February	Last three months: December 2021 to February 2022:
Sea Surface Temperature (Image 1):	Sea Surface Temperature (Image 4):
Monthly Average Sea Surface Temperature Anomaly: February 2022 20 15 10 05 05 05 10 15 10 15 20 Reynolds 53T Reynolds 53T	Siribati Sinibati Siribati Sir
Sea level (Image 2):	
Monthly Near Real Time Sea Level Anomaly: February 2022 Monthly Near Real Time Sea Level Anomaly: February 2022 300 220 220 150 150 100 0 0 0 0 150 100 0 0 0 0 0	
Daily coral bleaching alert (Image 3):	
Pacific Ocean Daily Coral Bleaching Alert: 05 March 2022 Alert Level 2 Alert Level 1 Warning User Sors Sors Sors Sors Watch No Stress NOAA Coral Reef Watch	Daily Coral Bleaching Alert: 05 March 2022 Alert Level 2 Alert Level 1 Warring Warch 105 Screenwaseach of fastentia 2022 Australian Bureau of Meteorology, COSFFac COMP NOAA Cossi heef Wach

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Part 2i. Monthly and Seasonal Outlooks for April and April to June 2022



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

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

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Summary Statement

Monthly and last three months: February 2022/December 2021 to February 2022 statement (Highly significant changes)

Below normal rainfall was recorded at Kiritimati and Arorae while normal at Beru, Butaritari and Tarawa for February 2022.

For the three months period, below normal rainfall was received at all stations except for Beru which was normal.

Rainfall data for Kanton is still not available.

Part 1i. Monthly and Seasonal Outlooks for April and April to June 2022

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

The rainfall outlook for Kiribati for April and April to June 2022 is very likely to be below normal.

The minimum and maximum temperatures show that most of the islands are very likely to be below normal however, some parts in the northern Gilbert and Line groups are very likely to be normal and above normal for both periods.

Part 2: Recent Ocean summary statement

Monthly and last three months: February/December 2021 to February 2022 (Highly significant changes)

Most of western Kiribati experienced a slight increase SST of up to 0.5 degrees while the Phoenix and Line groups experienced below average to normal SST for February 2022.

For the last three months December to February 2022, the Phoenix and Line groups experienced below average SST of 0.5 to -1.0 degrees while the Gilbert group was neutral.

Kiribati experienced a slight sea level increase of 0.1m for all groups. There was no thermal stress experienced over the Kiribati region.

Part 2i. Monthly and Seasonal Outlooks for April and April to June 2022

Ocean Variable statement (Highly significant changes)

The SST outlook shows cooling to continue for most parts of Kiribati with temperature difference of -0.4 to -1.2 degrees in the next one and three-months periods. However, the northern most parts of Gilbert and Line groups are likely to be neutral. No thermal stress of corals expected for Kiribati in the coming months.

The monthly and seasonal sea level outlook indicate that Gilbert group and northern part of Line and Phoenix group will experience 0.03-0.1m sea level difference. The rest will most likely be neutral.

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

Product	Date: January 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	29 th	Government and Non- Government Organisations and public subscribed to the products	118	45	73
Ocean Outlook	29th	Government and Non- government Organisations and public subscribed to the products	118	45	73
Media release	29th	National Media and KMS Staffs	53	23	30
		Total	171	68	103

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