Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 180

Country: Kiribati

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jun-2022	Jul-2022	Aug-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2022)	17.8	129.0	18.5	45.0	92.8	68.4	7/65
Butaritari (1931-2022)	115.1	306.3	197.8	149.0	255.8	201.5	41/85
Kanton (1937-2022)				37.3	90.3	54.2	
Kiritimati (1921-2022)	107.7	21.6	4.8	6.2	25.3	13.5	26/98
Tarawa (1950-2022)	33.0	156.7	41.6	63.9	165.7	105.1	18/75
Arorae (1950-2022)	33.3	20.9	15.2	74.0	144.8	108.4	**3/55**

TABLE 2: Three-month Total Rainfall for June to August 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Beru (1932-2022)	165.3	Normal	163.3	317.3	208.0	22/63
Butaritari (1931-2022)	619.2	Normal	609.2	848.0	740.0	30/84
Kanton (1937-2022)			190.7	297.0	250.8	
Kiritimati (1921-2022)	134.1	Normal	87.0	180.6	130.0	57/98
Tarawa (1950-2022)	231.3	Below normal	269.3	514.5	368.8	18/75
Arorae (1950-2022)	69.4	Below normal	238.3	415.3	306.2	**1/55**

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

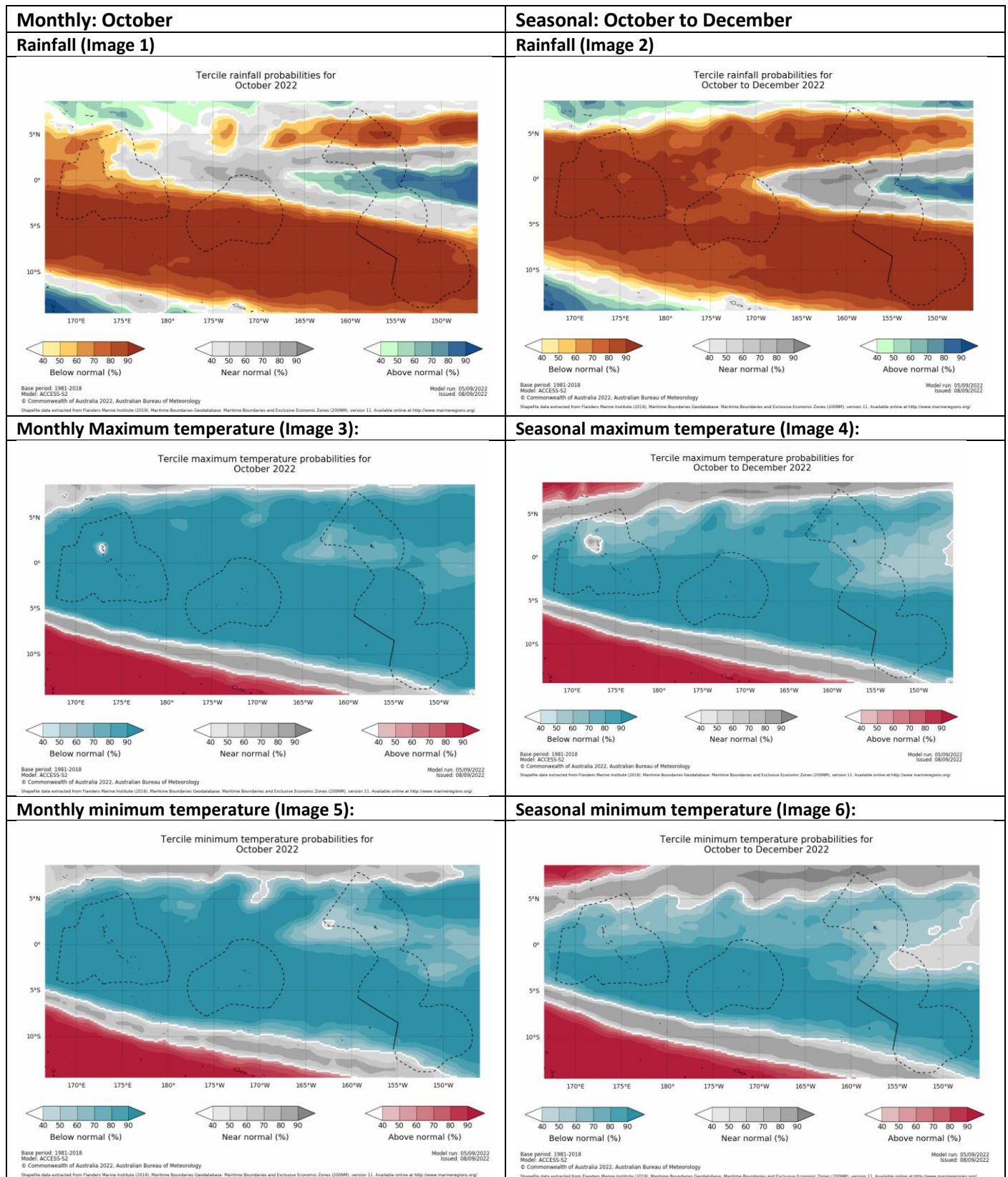Very Low: X < 0.0   Low: 0 ≤ X < 5   Moderate 5 ≤ X < 10   Good: 10 ≤ X < 15   High: 15≤ X < 25

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

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2022

Monthly: October	Seasonal: October to December
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):

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 Observation

Monthly/Three months: August 2022 and June to August 2022

Monthly: August	Last three months: June to August 2022:
Sea Surface Temperature (Image 1):	**Sea Surface Temperature (Image 4):**
Sea level (Image 2):	
Daily coral bleaching alert (Image 3):	

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

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

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2022

Monthly: October	Seasonal: October to December
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):	

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

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

Summary Statement

Monthly and last three months: August 2022/June to August 2022 statement

Below normal rainfall was recorded at all stations except for Butaritari which recorded normal rainfall for the month of August. Arorae station recorded its third driest August on record.

For June to August 2022, below normal rainfall was received at Arorae and Tarawa, while Kiritimati, Butaritari and Beru received normal rainfall. Arorae recorded its driest June to August on record.

The rainfall data for Kanton is still unavailable.

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2022

Monthly /Seasonal rainfall and temperature Outlook statements

The monthly and three-months rainfall outlooks for Kiribati show rainfall for October and October to December is very likely to be below normal for the Gilbert and Phoenix Islands, as well as the southern and northern-most islands in the Line group. Above normal rainfall is favoured in the central Line Islands.

The outlook for the monthly and three-months maximum and minimum temperatures shows below normal temperatures are likely or very likely for the whole country.

Part 2: Recent Ocean summary statement

Monthly and last three months: August/June to August 2022

All the Kiribati groups experienced below average SST for the last one and three-months (August and June to August 2022). Significant cooler SSTs were experienced at the Line and Phoenix groups ranging from -1.5 to -2.0 degrees.

The sea level anomaly for Kiribati was significantly higher than normal ranging utmost to 150mm above average.

Coral bleaching reveals no thermal stress for Kiribati.

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2022

Ocean Variable statement

The monthly and seasonal outlook for Kiribati shows below average sea surface temperatures of -0.4 to -2.0°C.

The sea surface height outlook for most of the Kiribati Islands show a near normal SSH for the next one and three-months, with below normal SSH of –30mm to –60mm located in central and southern Line Group.

The four-weeks coral bleaching outlook shows no thermal stress.

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

Product	Date: August 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	12th	Government and Non-Government Organisations and public subscribed to the products	118	45	73
Ocean Outlook	12th	Government and Non-Government Organisations and public subscribed to the products	118	45	73
Media release	12th	National Media and KMS staff	53	23	30
		Total	**171**	**68**	**103**

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