Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 181

Country: Kiribati

Part 1: Recent climate

TABLE 1: Monthly Rainfall

Station (include data period)	Jul-2022	Aug-2022	Sep-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2022)	129.0	18.5	14.7	25.7	76.0	47.0	13/66
Butaritari (1931-2022)	306.3	197.8	186.9	111.7	178.7	137.0	61/85
Kanton (1937-2022)				22.2	63.8	42.7	
Kiritimati (1921-2022)	21.6	4.8	4.0	4.0	17.8	8.2	33/97
Tarawa (1950-2022)	156.7	41.6	95.1	58.0	142.4	85.8	41/75
Arorae (1950-2022)	20.9	15.2	16.6	41.0	115.0	73.0	**4/56**

TABLE 2: Three-month Total Rainfall for July to September 2022

Station	Three-month Total		33%tile	67%tile	Median	Rank
	Rainfall (mm)					
Beru (1932-2022)	162.2	Normal	134.0	313.7	200.6	28/64
Butaritari (1931-2022)	691.0	Normal	506.8	737.5	625.3	49/85
Kanton (1937-2022)			158.6	240.4	183.0	
Kiritimati (1921-2022)	30.4	Below normal	52.2	113.2	84.2	22/97
Tarawa (1950-2022)	293.4	Normal	198.5	541.2	336.0	33/75
Arorae (1950-2022)	52.7	Below normal	216.3	445.0	328.0	**1/54**

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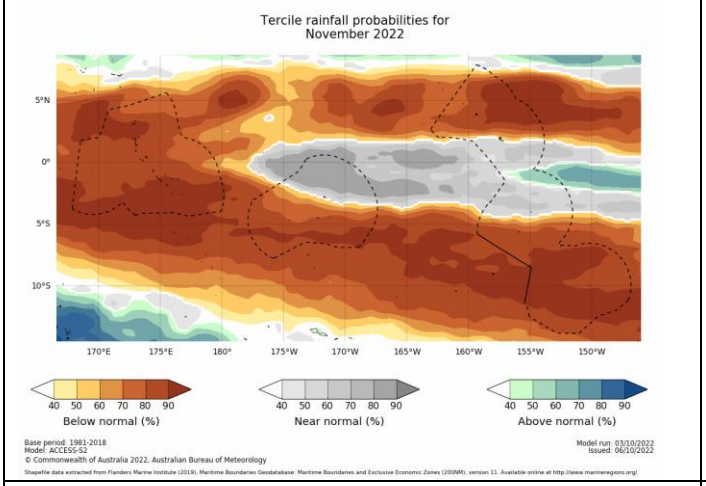
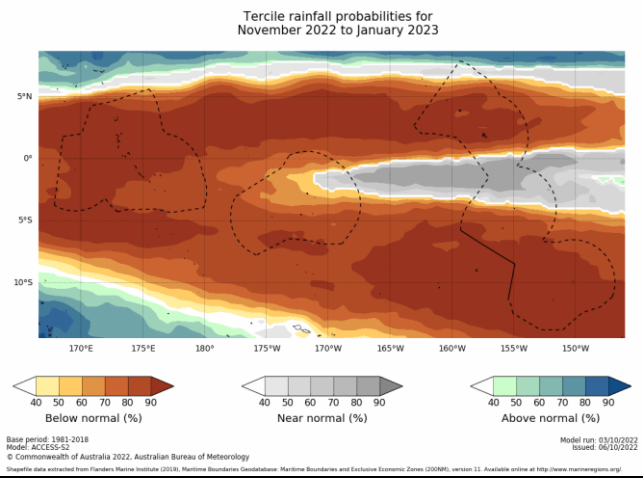
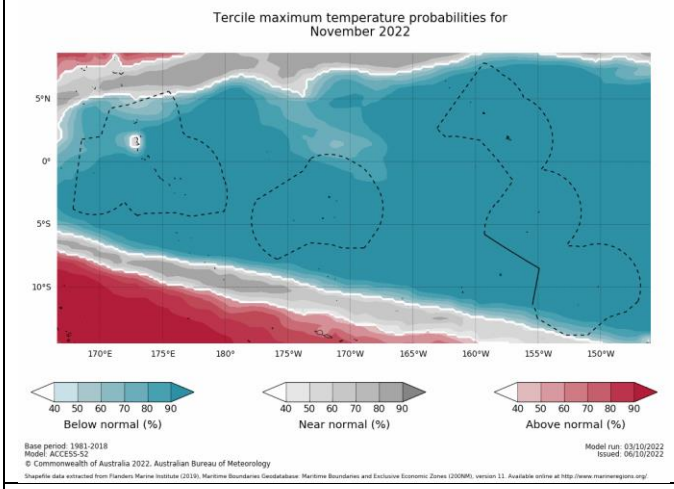
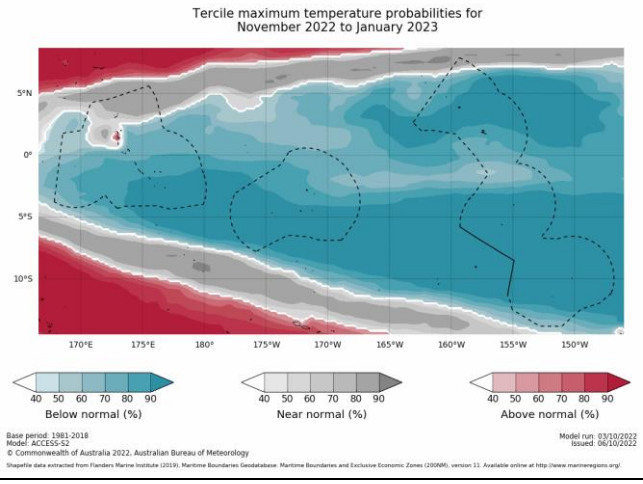
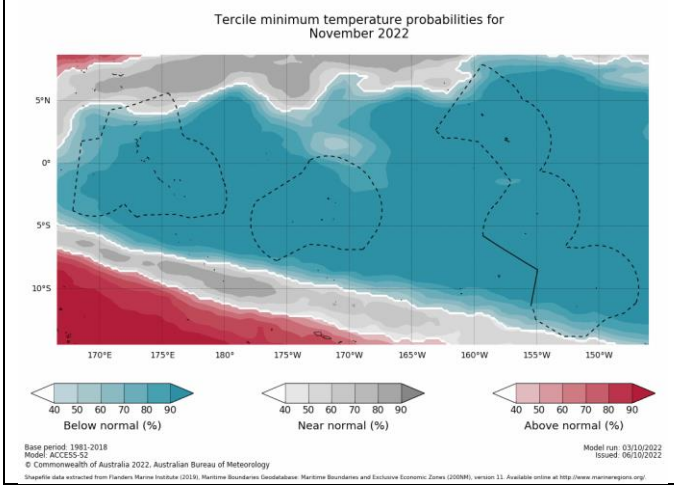
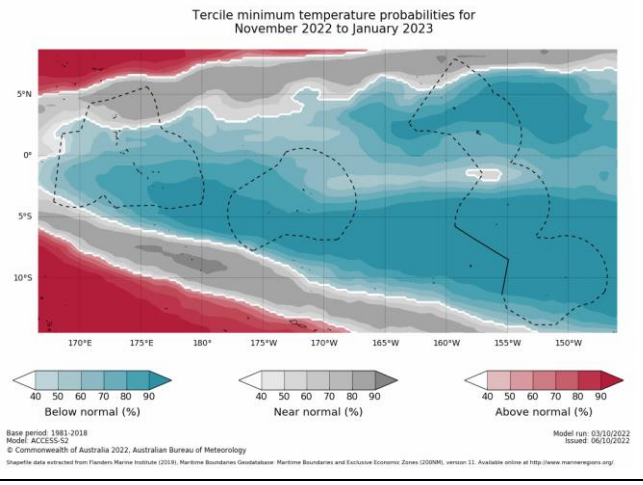
Very High: 25 ≤X < 35 Exceptional: X ≥ 35

Part 1i. Monthly and Seasonal Outlooks for November and November to January 2023

Monthly: November	Seasonal: November to January
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):**
	

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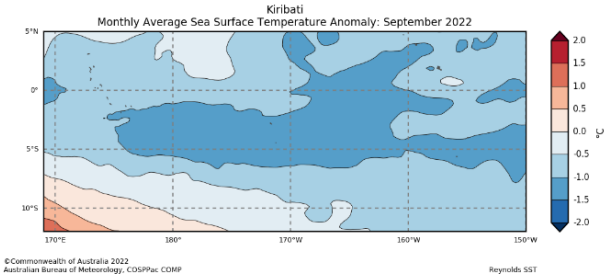
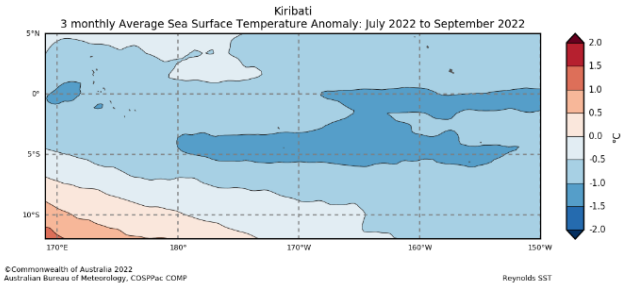
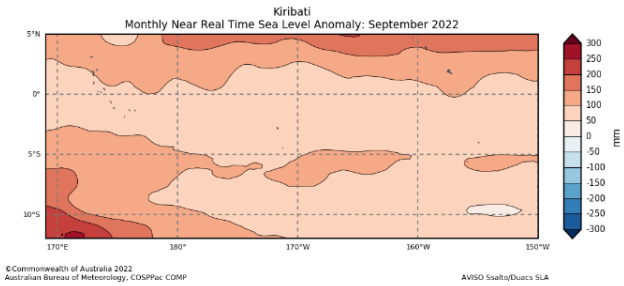
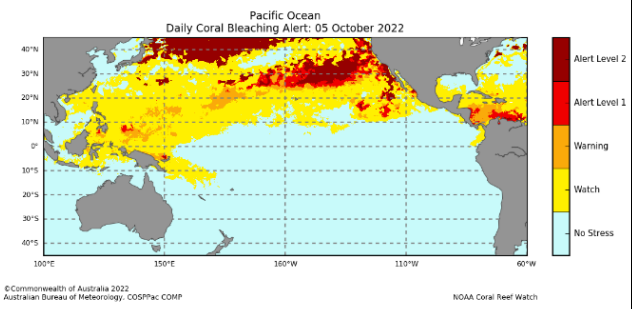
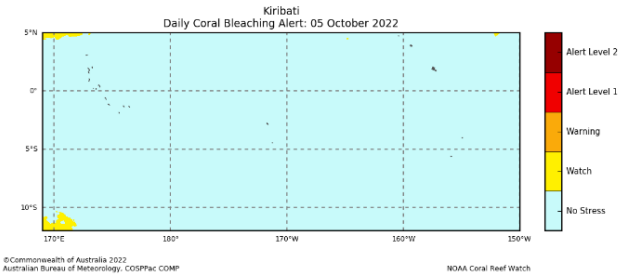
Part 2: Recent Ocean Observation

Monthly/Three months: September 2022 and July to September 2022

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

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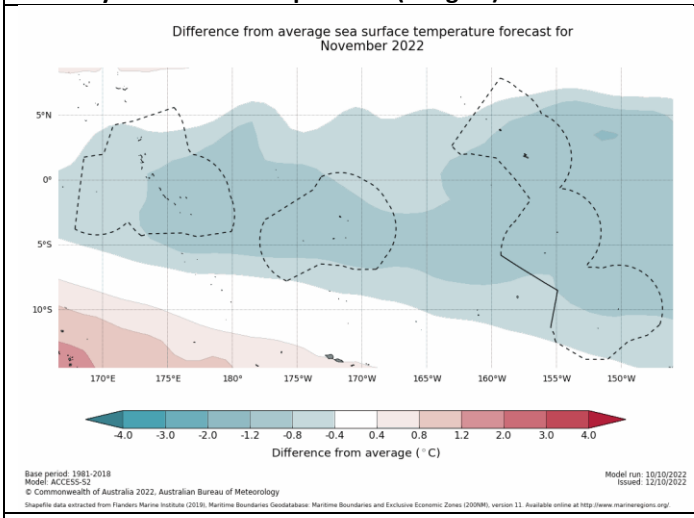
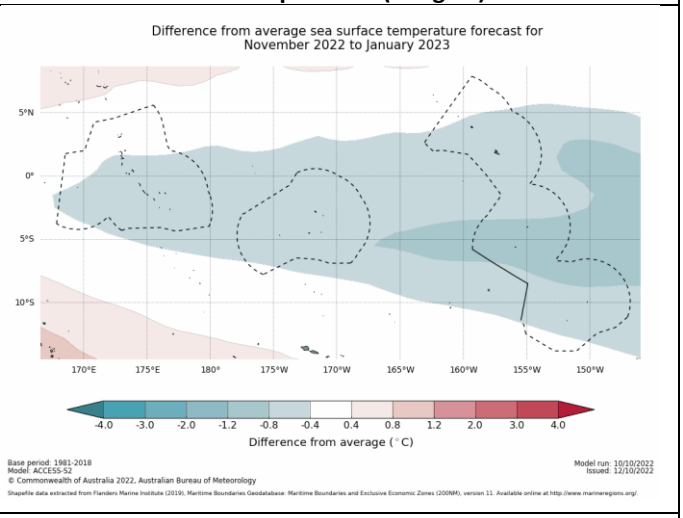
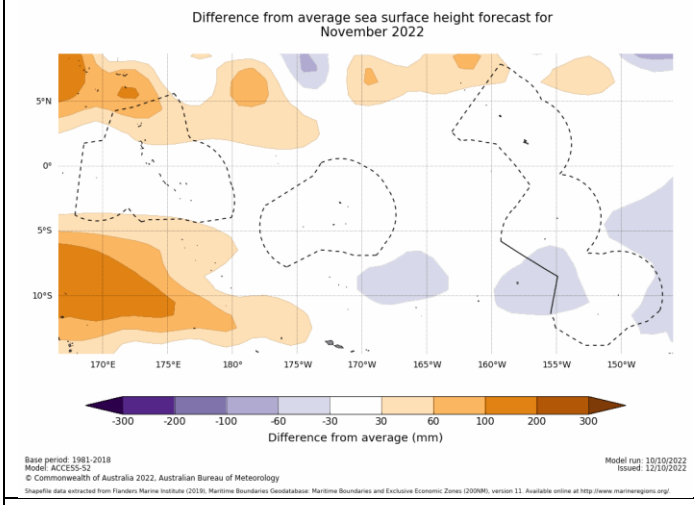
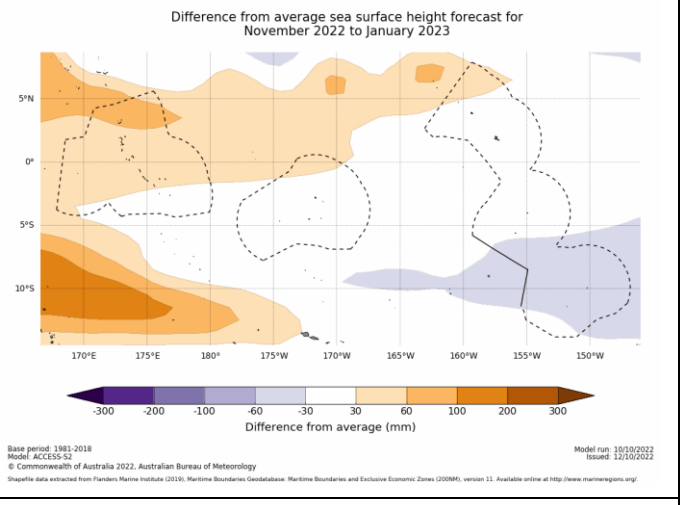
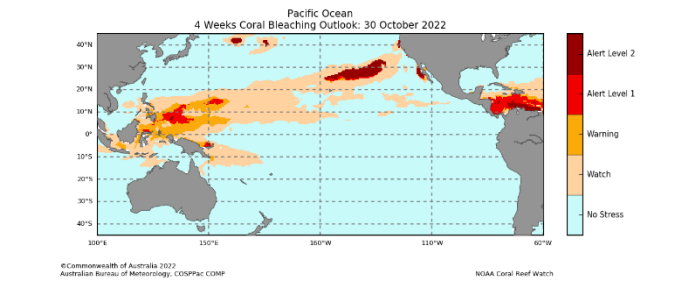
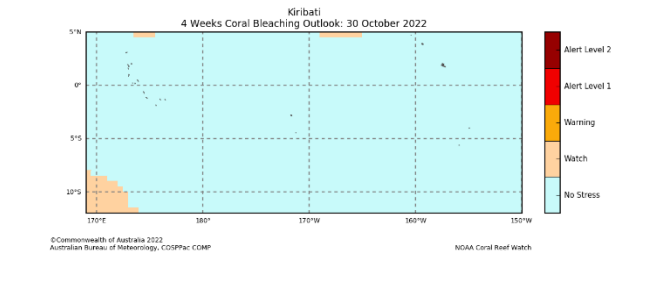
Part 2i. Monthly and Seasonal Outlooks for November and November to January 2023

Monthly: November	Seasonal: November to January
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):	
	

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Summary Statement

Monthly and last three months: September 2022/July to September 2022 statement

Below normal rainfall was recorded at Beru and Arorae. Normal rainfall was received in Kiritimati and Tarawa while Butaritari received above normal rainfall for the month of September 2022. This was the fourth driest September on record at Arorae.

For the three-month period, below normal rainfall was received at Arorae and Kiritimati, while Beru, Butaritari and Tarawa received normal rainfall. Arorae recorded its driest July to September on record.

Kanton rainfall data is not available.

Part 1i. Monthly and Seasonal Outlooks for November and November to January 2023

Monthly /Seasonal rainfall and temperature Outlook statements

The rainfall for November is very likely to be below normal over most parts of the Kiribati region. However, the Northern Phoenix and Central Line groups are likely to have near-normal rainfall

Rainfall for November to January is very likely to be below normal for Kiribati, except for central parts of the Line group where rainfall is likely to be near-normal.

Maximum and minimum temperatures during November are very likely to be below normal for the whole country.

Maximum and minimum temperatures averaged over November to January are very likely to be below normal over the Kiribati region, apart from the northernmost islands in the Gilbert group where temperatures are likely to be near-normal.

Part 2: Recent Ocean summary statement

Monthly and last three months: September/July to September 2022

The sea surface temperature for September and the last three months, July to September, was below normal ranging from -0.5 to -1.5 degrees for the Kiribati region. The sea level for September was above normal for Kiribati ranging from 50 to 150mm.

Coral bleaching alerts reveals no thermal stress.

Part 2i. Monthly and Seasonal Outlooks for September and September to January 2023

Ocean Variable statement

The monthly outlook for November predicts below normal temperatures of utmost -2.0 degrees for the whole country.

The seasonal SST outlook for November to January also predicts a below normal temperatures of utmost -2.0 degrees however, the northernmost islands in the Gilbert and Line groups anticipating a near-normal temperature.

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Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

The monthly and seasonal sea level anomaly outlook for November, and November 2022 to January 2023, reveals above normal sea level height differences of utmost 100mm over the Gilbert Islands. Southern Line Islands reveal below normal differences of utmost –60mm. The remaining islands are forecasted to have normal conditions.

Coral bleaching outlook for the next four weeks reveals no thermal stress over the Kiribati groups.

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

Product	Date: September 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	9th	Government and Non-Government Organisations and public subscribed to the products	118	45	73
Ocean Outlook	9th	Government and Non-Government Organisations and public subscribed to the products	118	45	73
Media release	9th	National Media and KMS staff	53	23	30
ACCESS-S and EAR Watch virtual training led by COSSPac team	8th, 12th	KMS staff	9	3	6
		Total	**180**	**71**	**109**

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