



Kiribati Meteorological Service
Member of WMO

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Outline:

1. Climate Outlook Summary
2. ENSO Update
3. Rainfall Outlooks for 3months period.
4. Regional rainfall maps for 3months period.

Important Notes:

The forecast confidence score has been categorised as follows:

Very Low: $X < 0.0$, Low: $0 \leq X < 5$
Moderate $5 \leq X < 10$, Good: $10 \leq X < 15$, High: $15 \leq X < 25$, Very High: $25 \leq X < 35$, Exceptional: $X \geq 35$

ENSO Active Periods based on Historical data:

April to June– months it tends to develop in.

October to February– tends to reach their maximum strength when developed.

Typically persists for 9-12 months, though occasionally persisting for up to 2 years

Typically recur every 2 to 7 years.



Australian Government
Bureau of Meteorology

NIWA
Taihoro Nukurangi

Kiribati Climate Outlook

June to August 2020

Kiribati Meteorological Service Division
Office of Te Beretitenti

1. CLIMATE OUTLOOK SUMMARY

June 2020

El Nino Southern Oscillation (ENSO) Outlook: Likely to remain in Neutral until July 2020.

June to August 2020 (MJJ) Rainfall Prediction: Scopic model expect normal rainfall for Kan-ton Island while above normal rainfall is expected at the rest of the stations (Butaritari, Beru, Kiritimat and Tarawa) with low level of skills. Other climate models expect below normal rainfall over the next three months with high level of skills. So, in brief below normal rainfall expected over the Kiribati region in the coming months (June to August).

2. EI NINO - SOUTHERN OSCILLATION (ENSO) UPDATE

The El Niño–Southern Oscillation (ENSO) is currently in Neutral and it is likely to persist at Neutral level until at least the end of July 2020. However, sea surface temperature across the tropical Pacific Ocean have cooled over the past several weeks.

June to October 2020 Sea Surface Temperature:

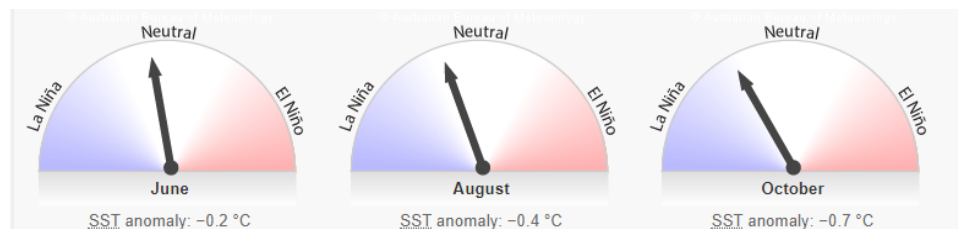


Fig 1: red color on the dial above reflects warmer temperature in the ocean, blue reflects cooler temperature and white is neutral.

3. JUNE TO AUGUST 2020 RAINFALL OUTLOOKS

Beru– June to August 2020

The most likely outcome is **above-normal** rainfall for next three months.

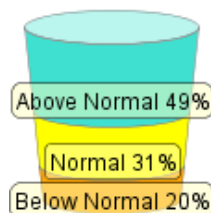
Forecast confidence is low.

3 months rainfall ranges:

Above normal >322.0mm

Normal >166.0mm,<322.0mm

Below normal <166.0mm



Butaritari– June to August 2020

The most likely outcome is **above-normal** the next most likely.

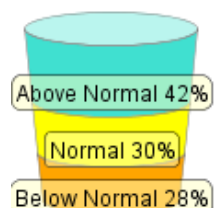
Forecast confidence is good.

3 months rainfall ranges:

Above normal >856.7mm

Normal >623.4mm<856.7mm

Below normal <623.4mm



JUNE TO AUGUST RAINFALL OUTLOOKS:

Kanton– June to August 2020

The most likely outcome is **normal** rainfall for next three months.

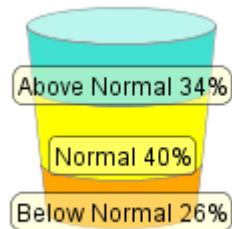
Forecast confidence is low.

3 months rainfall ranges:

Above normal >295.3mm

Normal >195.6mm,<295.3mm

Below normal <195.6mm



Kiritimati– June to August 2020

The most likely outcome is **above-normal** rainfall for next three months.

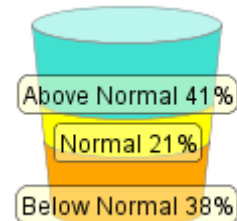
Forecast confidence is low.

3 months rainfall ranges:

Above normal >183.7mm

Normal >91.0mm,<183.7mm

Below normal <91.0mm



Tarawa– June to August 2020

The most likely outcome is **above-normal** the next most likely.

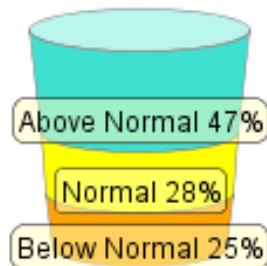
Forecast confidence is low.

3 months rainfall ranges:

Above normal >537.5mm

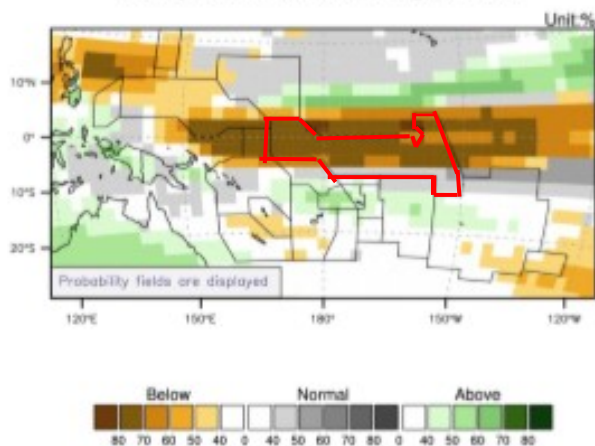
Normal >274.2mm,<537.5mm

Below normal <274.2mm



4. KIRIBATI RAINFALL MAP FOR JUNE TO AUGUST 2020

Precipitation for June-August 2020



Heidke Skill Score : PREC, JJA (1991-2010)

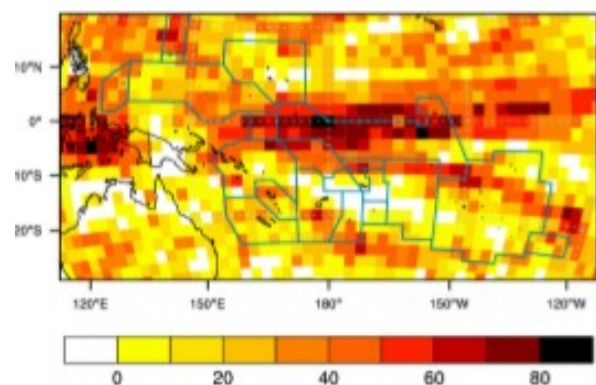


Fig 1: The outlook for Kiribati islands as outlined in red on the left image shows the likely outcome for rainfall from **June to August 2020**; **below normal rainfall** is expected for all **Kiribati group**. The **skill of the outlook** as shown in the image on the right shows that within the Kiribati groups is **high** by **50 to 80** percentage of accuracy to be scored.

This summary report is prepared as soon as possible by the end of the month, once climate data completed from the operational meteorological stations around Kiribati together with the ENSO information which is received from various Meteorological Agencies around the world. Every effort is made to verify observational data. The Kiribati Meteorological Service does not guarantee the accuracy and reliability of the analysis and rainfall predictions presented, and accepts no liability for any losses incurred through the use of this summary and its contents. The contents of the summary may be freely disseminated provided the source is acknowledged. All enquiries on this report should be directed to the Kiribati Meteorological Service HQ at Temakin Betio. For further information please contact: Director, Kiribati Meteorological Services (686) 75126511 Email dmet@met.gov.ki