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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

July to September 2020

Kiribati Meteorological Service Division  
Office of Te Beretitenti

## 1. CLIMATE OUTLOOK SUMMARY

July 2020

**El Nino Southern Oscillation (ENSO) Outlook:** La’Nina is in Watch level. It is likely to reach La’Nina level in early September but this will be monitored.

**July to September 2020 (JAS) Rainfall Prediction:** Normal rainfall is expected at Beru and Tarawa. The rest of the stations including Butaritari, Kanton and Kiritimati are expecting below normal to normal rainfall. Most of the climate models expect below normal rainfall for the next coming months with high level of skills.

## 2. EI NINO - SOUTHERN OSCILLATION (ENSO) UPDATE

The El Niño–Southern Oscillation (ENSO) is moving to La’Nina Watch. However, it is likely to reach La’Nina level in early September but this will be monitored. The surface and the sub-surface of the Tropical Pacific Ocean have cooled over recent months. However, several models suggest La Niña thresholds could be exceeded in early September.

**July to November 2020 Sea Surface Temperature:**

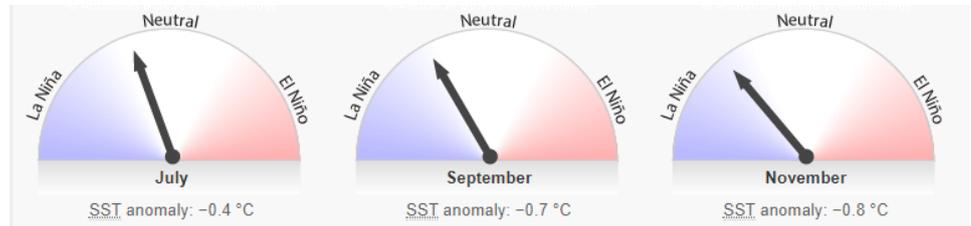


Fig 1: red color on the dial above reflects warmer temperature in the ocean, blue reflects cooler temperature and white is neutral.

## 3. JULY TO SEPTEMBER 2020 RAINFALL OUTLOOKS

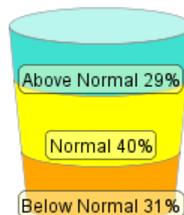
**Beru– July to September 2020**

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

Forecast confidence is high.

**3 months rainfall ranges:**

- Above normal >315.3mm
- Normal >133.3mm, <315.3mm
- Below normal <133.3mm



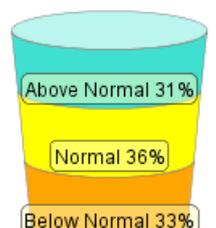
**Butaritari– July to September 2020**

The most likely outcome is **below normal** rainfall with normal the next most likely.

Forecast confidence is moderate.

**3 months rainfall ranges:**

- Above normal >738.8mm
- Normal >510.9mm<738.8mm
- Below normal <510.9mm



## JULY TO SEPTEMBER RAINFALL OUTLOOKS:

### Kanton– July to September 2020

The forecast shows similar chances of below normal and normal rainfall; above normal is the least likely.

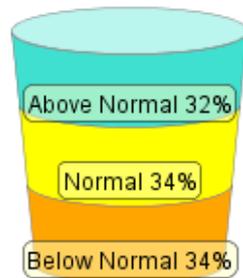
Forecast confidence is moderate.

3 months rainfall ranges:

Above normal >240.1mm

Normal >158.6mm,<240.1mm

Below normal <158.6mm



### Kiritimati– July to September 2020

The forecast shows similar chances of below normal and normal rainfall; above normal is the least likely.

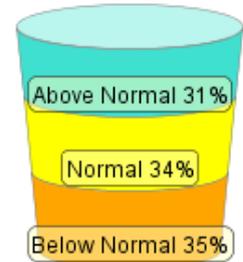
Forecast confidence is low.

3 months rainfall ranges:

Above normal >116.7mm

Normal >52.0mm,<116.7mm

Below normal <52.0mm



### Tarawa– July to September 2020

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

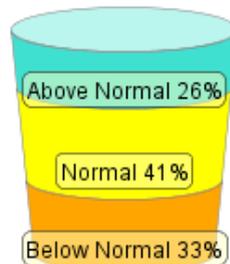
Forecast confidence is very high.

3 months rainfall ranges:

Above normal >541.6mm

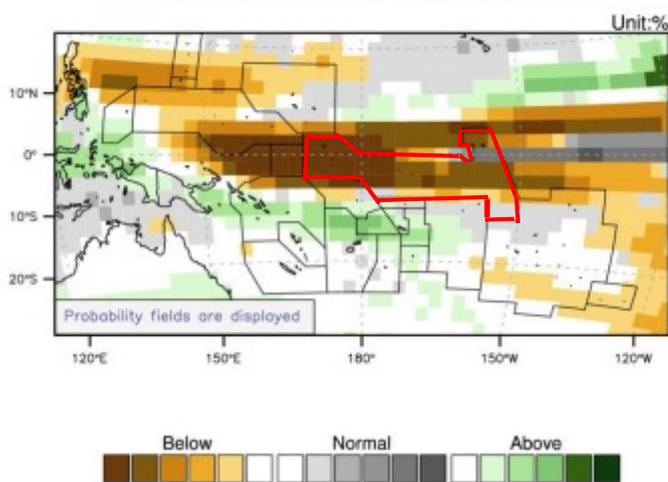
Normal >201.2mm,<541.6mm

Below normal <201.2mm



## 4. KIRIBATI RAINFALL MAP FOR JULY TO SEPTEMBER 2020

### Precipitation for July-September 2020



### Heidke Skill Score : PREC, JAS (1991-2010)

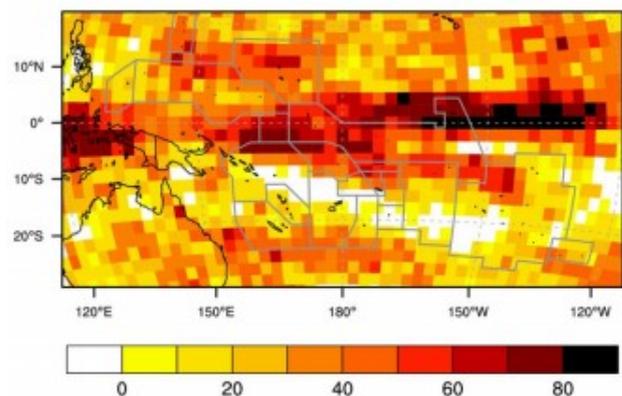


Fig 1: The outlook for Kiribati islands as outlined in red on the left image shows the likely outcome for rainfall from **July to September 2020; below normal rainfall** is expected for all **Kiribati group**. The **skill of the outlook** as shown in the image on the right shows that within the Kiribati groups is good by **50 to 60** 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*