



Kiribati Meteorological Service
Member of WMO

Contacts:
Tel (686) 75126511 & 75125444
Email: cmo@met.gov.ki
Website: www.met.gov.ki

Outline:

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

September to November 2019

Kiribati Meteorological Service Division
Office of Te Beretitenti

1. CLIMATE OUTLOOK SUMMARY

September 2019

El Nino Southern Oscillation (ENSO) Outlook– ENSO remains **Neutral** and likely to remain Neutral for the rest of 2019 and into early 2020.

September to November (SON) 2019 Rainfall Prediction:

With the previous weeks SST warmth and a recent cooling shift in the central Tropical Pacific Ocean temperatures– Kiribati rainfall outlook will most likely get above normal conditions. Confidence in the rainfall prediction for the months (SON) to happen at all groups are exceptional.

2. EI NINO - SOUTHERN OSCILLATION (ENSO) UPDATE

The El Nino Southern Oscillation (ENSO) remains neutral– likely to remain Neutral for the rest of 2019 and into early 2020.

Past few weeks sea surface temperature has been warmed by 0.2 however beginning to decrease till late August by 0.1 degree Celsius warm. Early September sign of cooling water emerged with – 0.1 degree Celsius cooler. Since SST has just recently shift from warm to cool condition the effect on rainfall patterns could result in having normal or above normal conditions still to be expected in the coming months.

September to January 2020 Sea Surface Temperature:

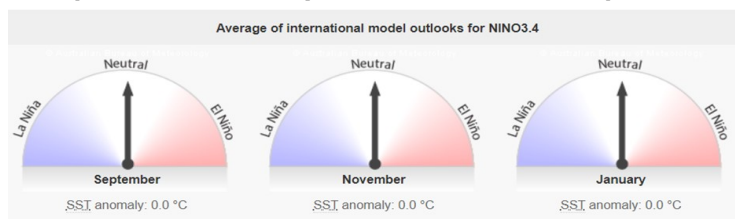


Fig 1: red color on the dial above reflects warmer temperature in the ocean, blue reflects cooler temperature and white is neutral.

2. Rainfall Outlooks for 3 months

Beru– September to November 2019

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

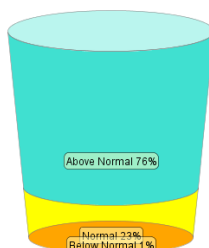
Forecast confidence is exceptional.

3 months rainfall ranges:

Above normal >221.7mm

Normal >84.3mm,<221.7mm

Below normal <84.3mm



Butaritari– September to November 2019

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

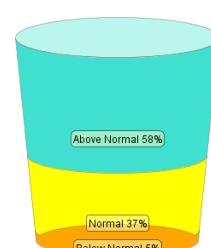
Forecast confidence is exceptional.

3 months rainfall ranges:

Above normal >611mm

Normal >411mm,<611mm

Below normal <411mm



SEPTEMBER TO NOVEMBER RAINFALL OUTLOOKS AT MET ISLAND STATIONS:

Kanton– September to November 2019

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

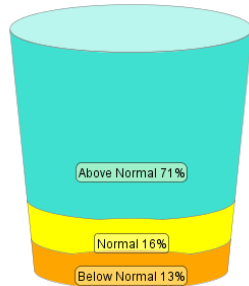
Forecast confidence is exceptional.

3 months rainfall ranges:

Above normal >120.3mm

Normal >44.2mm,<120.3mm

Below normal <44.2mm



Kiritimati– September to November 2019

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

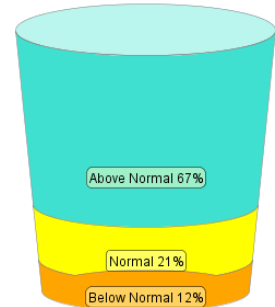
Forecast confidence is exceptional.

3 months rainfall ranges:

Above normal >68.3mm

Normal >23.3mm,<68.3mm

Below normal <23.3mm



Tarawa– September to November 2019

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

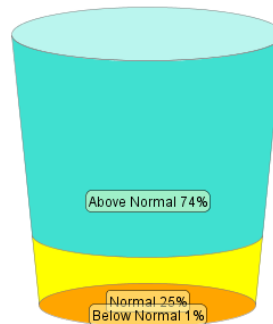
Forecast confidence is exceptional.

3 months rainfall ranges:

Above normal >383.2mm

Normal >173.8mm,<383.2mm

Below normal <173.8mm



5. KIRIBATI RAINFALL MAP FOR SEPTEMBER TO NOVEMBER 2019

Precipitation for September-November 2019

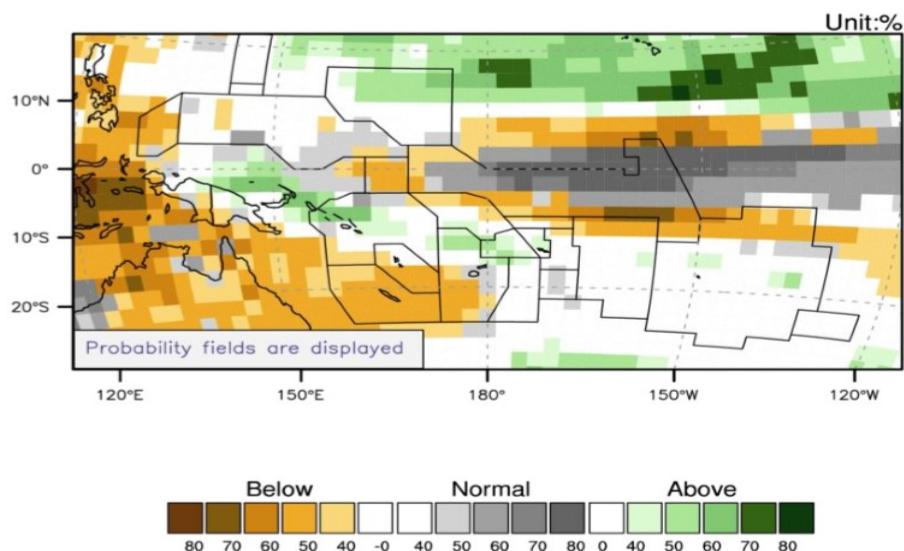


Fig 1: The grey color on the map refers to normal rainfall, green is above normal and yellow is below normal. All islands of Kiribati are expecting a **near-normal rainfall** for next three months (September to November). The skill of the forecast map above falls within the 20 to 40% for Gilbert group, 40 to 60% for Phoenix and 70 to 80% for Line Islands accuracy.

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: Chief Meteorological Officer, Kiribati Meteorological Services (686) 75126511 Email cmo@met.gov.ki