



Kiribati Climate Outlook

August to October 2023

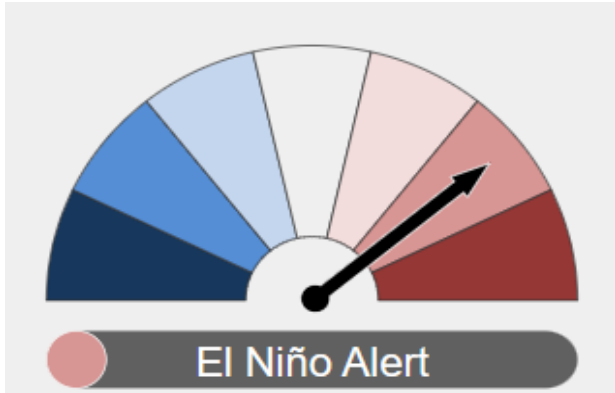
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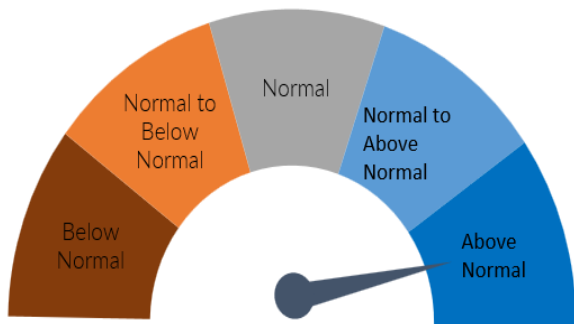
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Highlights



ENSO Outlook:

The ENSO status remains at **El Nino Alert** with El Nino expected in August to October 2023 with a 70% likelihood.



Rainfall Outlook:

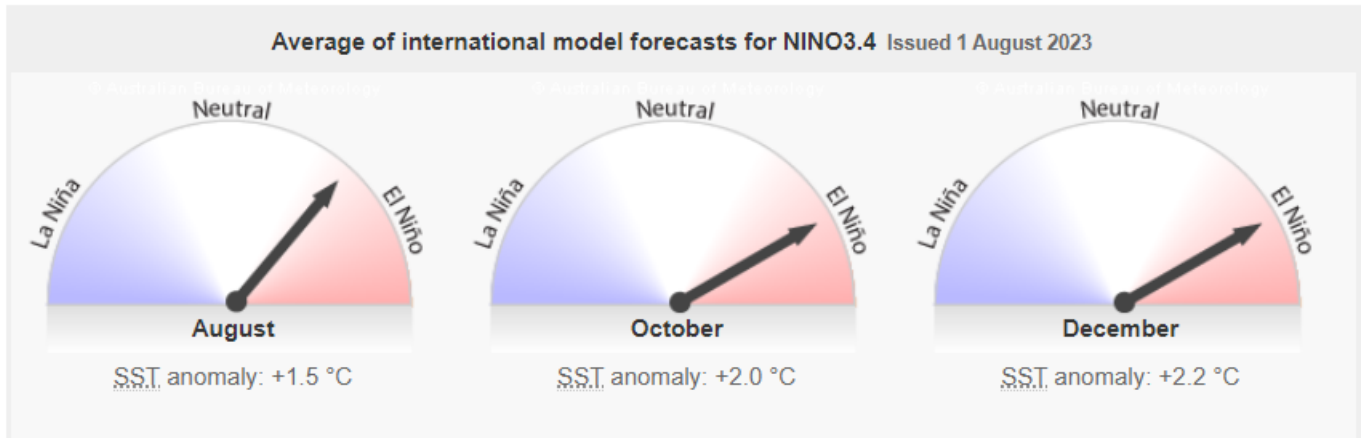
Above Normal rainfall is expected over the Kiribati region.

EL NINO SOUTHERN OSCILLATION (ENSO) UPDATE

The El Niño-Southern Oscillation (ENSO) remains at El Niño Alert with 70% likelihood of El Niño to develop in the coming months (August to October 2023). The Sea surface temperatures (SSTs) in the tropical Pacific are exceeding the El Niño threshold. Models indicate that the SST is likely to continue at least through to the end of the year. However, the atmospheric condition is likely to continue neutral ENSO conditions which means that the Pacific Ocean and atmosphere have yet to become fully coupled, as occurs during El Niño events.

The Madden-Julian Oscillation (MJO) is in the western hemisphere and currently weak, however, some climate models forecasted that it will be strengthened over the Pacific Ocean in the coming weeks.

ENSO MODEL OUTLOOK FROM AUGUST TO DECEMBER 2023



Source: BoM website

RAINFALL OUTLOOK

FORECAST 1 (SCOPIC MODEL) – AUGUST TO OCTOBER 2023

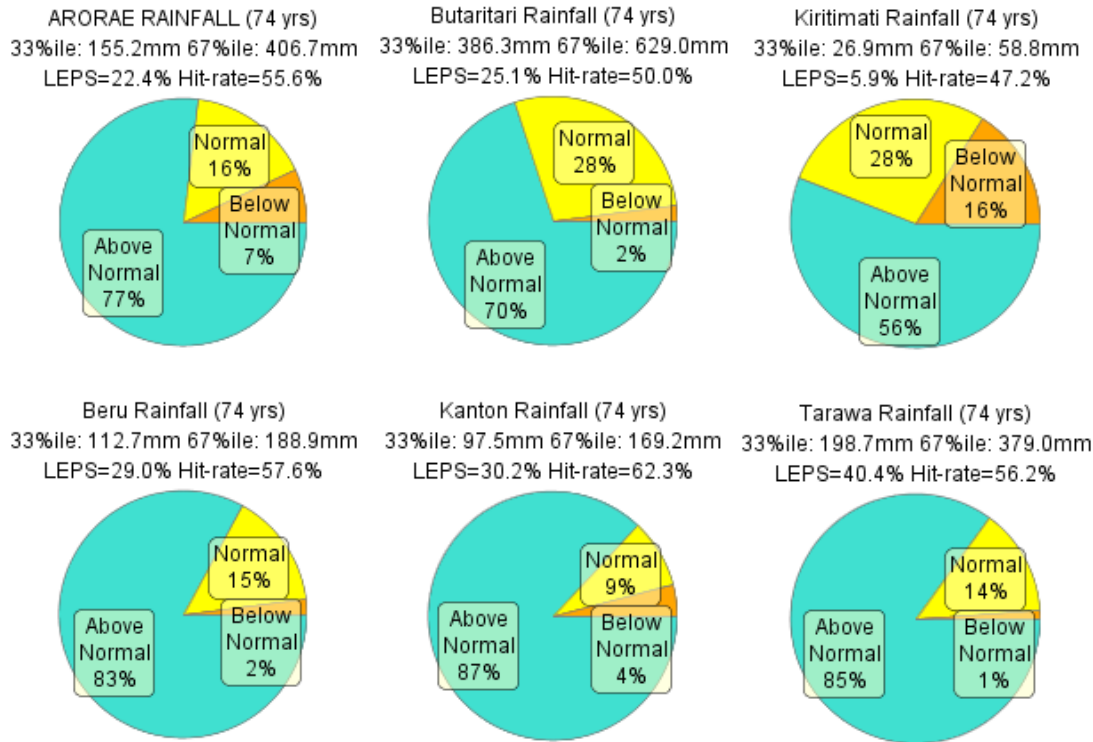


Figure 1: The pie charts given above show rainfall outlook for August to October 2023. Brown color represents below normal rainfall, yellow color is for normal rainfall and blue is above normal.

Seasonal Outlooks for August to October 2023:

- Above normal rainfall is the most likely outcome for all islands.

FORECAST 2 (PICASO MODEL) – AUGUST TO OCTOBER 2023

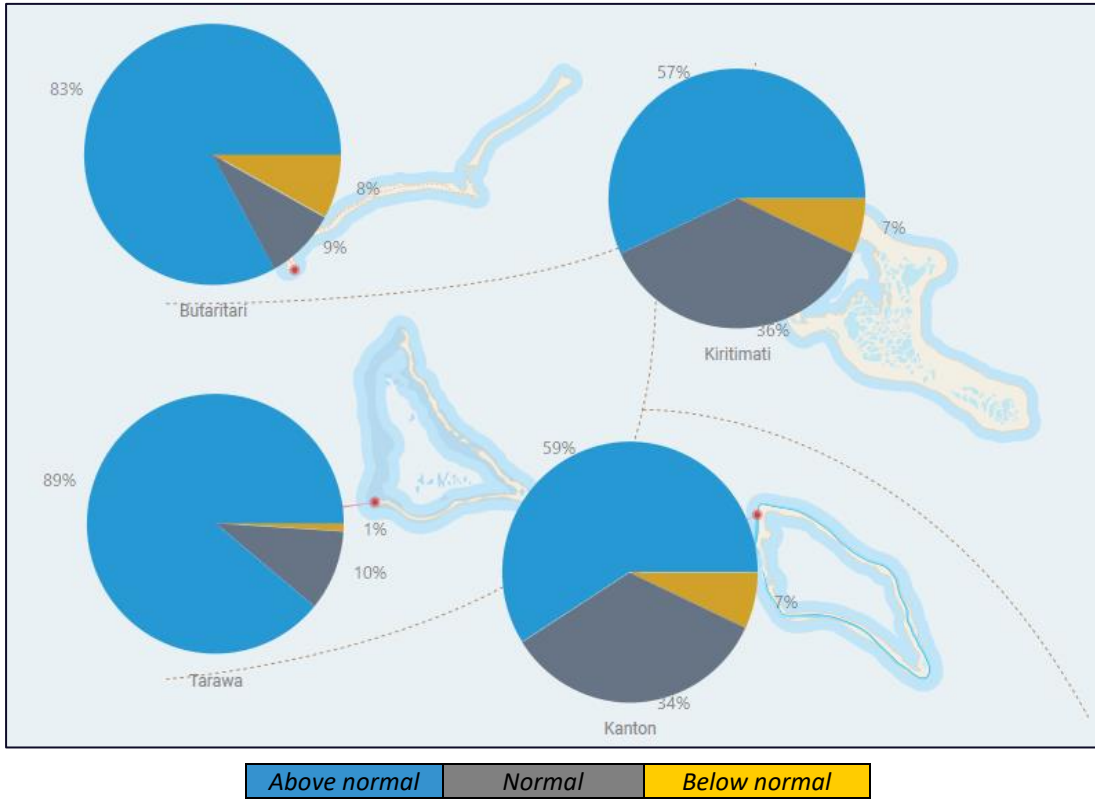


Figure 2: The pie charts above display rainfall outlook for August to October 2023. Brown shade shows below normal rainfall, grey is for normal and blue is above normal.

Seasonal Outlooks for August to October 2023:

- **Above normal rainfall** is favored for all stations.

Overall Rainfall Prediction:

Both models predict the **above normal rainfall** for all islands for the months of August to October 2023.