

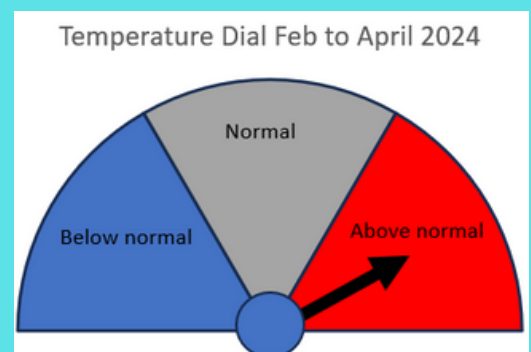
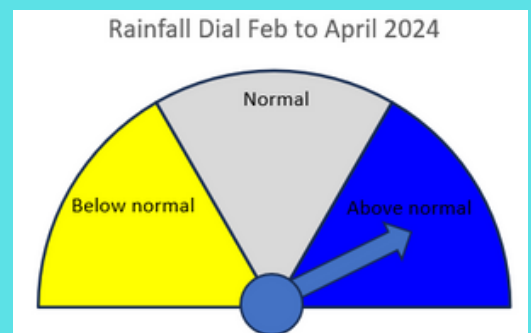
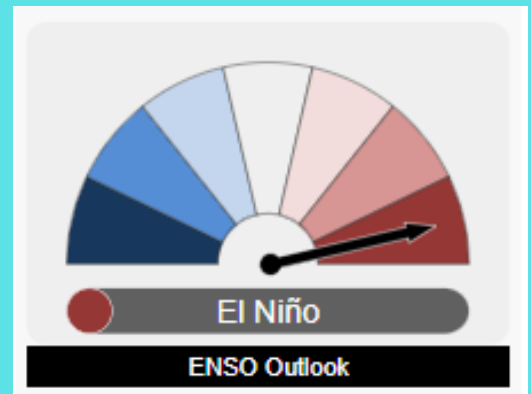
Issued: 1st February 2024

KIRIBATI CLIMATE OUTLOOK FEB TO MARCH 2024



Summary

- The temperature in the tropical Pacific Ocean have already reached its peak in November 2023 and now begins to decline.
- The El Nino continues and expected to return to Neutral conditions in the March to May 2024 season.
- The Madden Julian Oscillation is expected to active (more rainfall) over the Pacific region including Kiribati in the coming weeks of January through to February 2024.
- Rainfall Outlook for February to April 2024 is likely to above normal for all islands of Kiribati.
- Air Temperature Outlook for February to April 2024 is also predicted to be above normal for all of Kiribati islands.



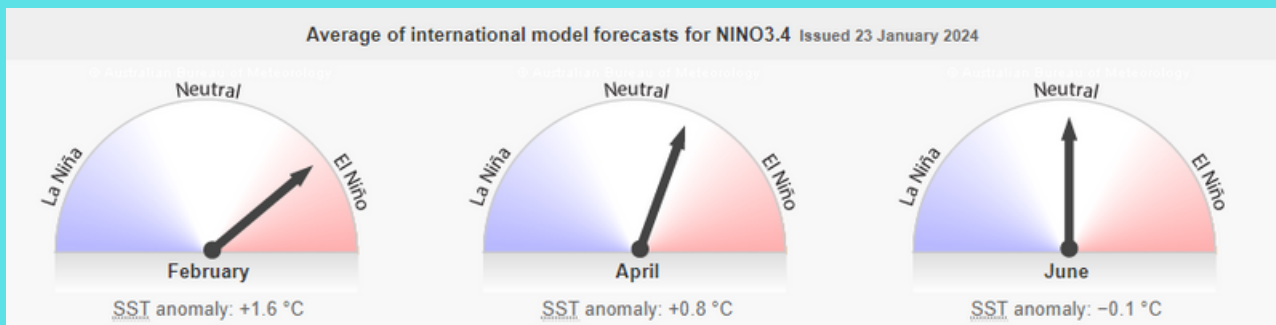
Climate Variability Update

El Niño Southern Oscillation (ENSO)

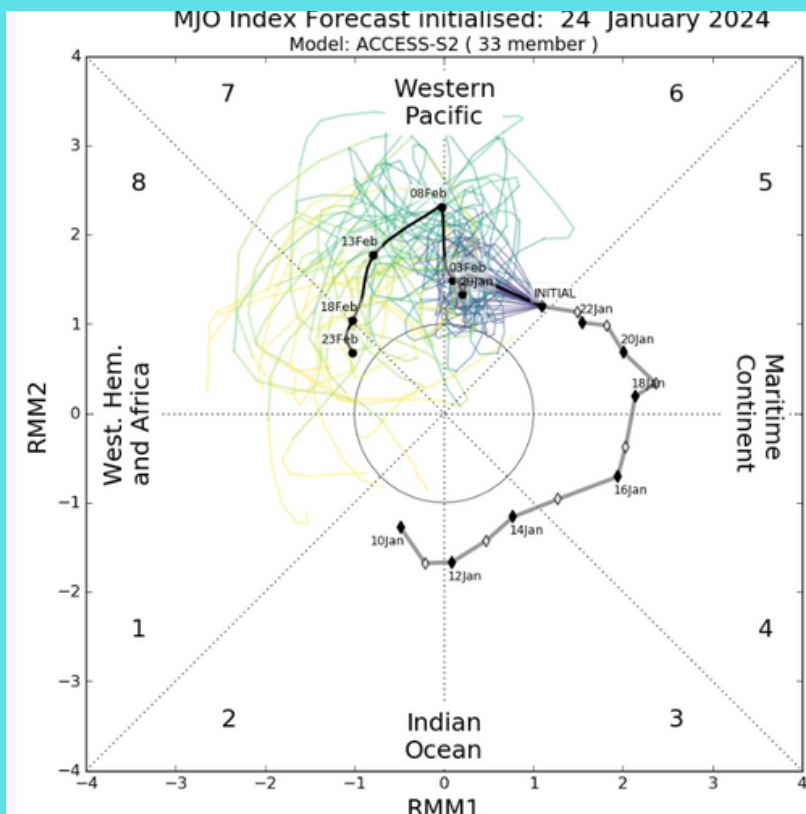
El Niño continues in the tropical Pacific Ocean. Model forecasts and observations indicate sea surface temperatures in the central tropical Pacific have peaked and are now declining. Sea surface temperatures in the tropical Pacific are expected to return to neutral El Niño–Southern Oscillation levels in the southern hemisphere autumn (March to May) 2024.

Some atmospheric indicators, such as cloudiness near the Date Line, are close to normal levels.

El Niño usually brings more rainfall, westerly winds, higher sea level and warmer sea surface temperature to whole of Kiribati islands.



Source: BoM, Australia



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Madden Julian Oscillation (MJO)

The MJO is another climate driver that brings changes to rainfall pattern over the region for a short period of time (60 to 90 days).

The predicted MJO is expected to active over the Pacific region including Kiribati from 29th January to 23rd February 2024.

An active MJO over a region could bring more rainfall to the area.

Rainfall and Temperature Outlook February to April 2024.

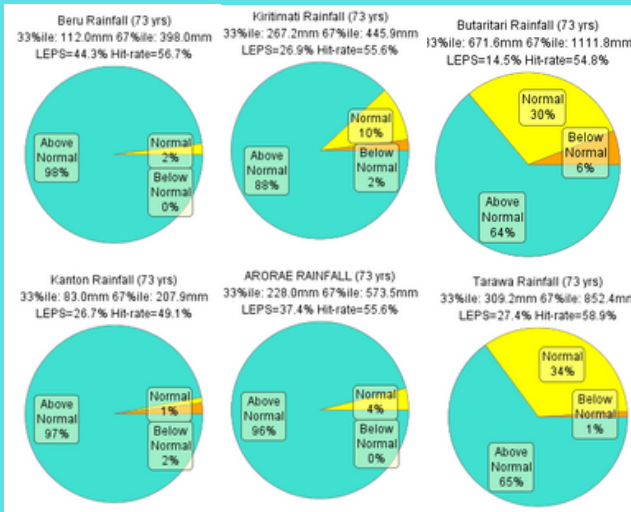


Fig 1. The Scopic indicates that all stations favor above normal rainfall (blue color) for the months of February to April 2024.

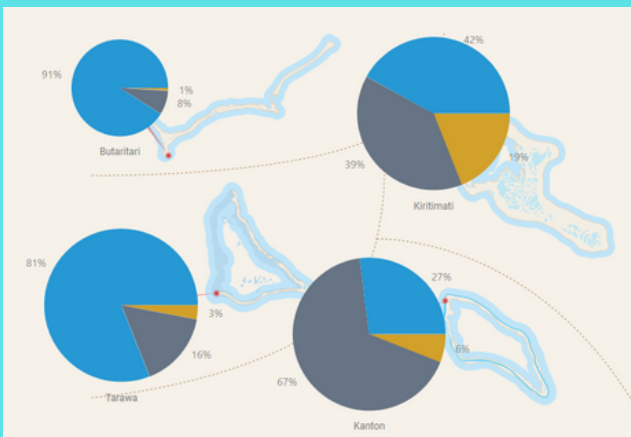


Fig 2. The PICASO shows that above normal (blue color) rainfall is anticipated for most stations. Kanton station is expecting normal (grey) rainfall over Feb to Apr 2024.

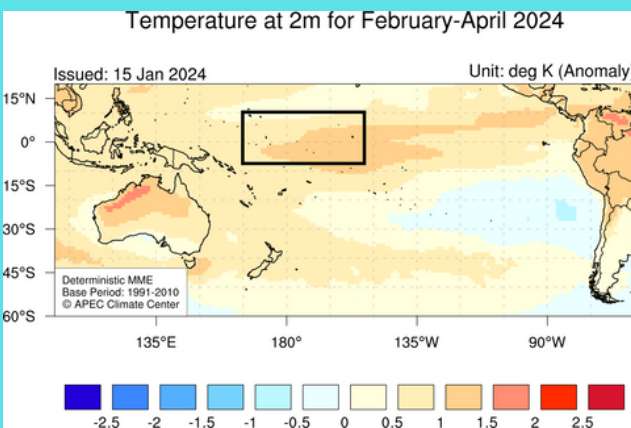


Fig 3. The expected change of surface air temperature around Kiribati region will be 0.5 to 1 degree Celsius (anomaly) or change from the normal value at a regional scale.

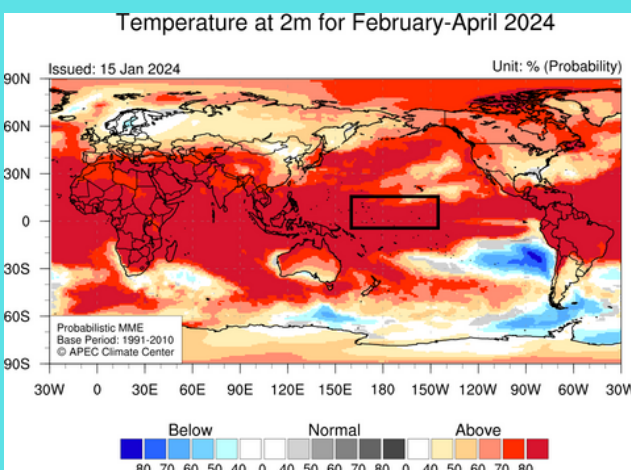


Fig 4. At a global scale Kiribati region surface air temperature is expected to be above normal with the likelihood of 70% to occur.