ISSUED: June 27, 2025 NEXT ISSUE: July 31, 2025 VOLUME 19: ISSUE 7



## **FIJI CLIMATE OUTLOOK**

JULY 2025; JULY TO SEPTEMBER 2025; OCTOBER TO DECEMBER 2025

Fiji Meteorological Service



- ENSO-neutral conditions continue to persist in the tropical Pacific Ocean, with high chances for the event to continue during the July to September 2025 period. Global models continue to favour neutral status to continue till the end of 2025.
- During July 2025, *normal* or *above normal* rainfall is likely across the Fiji Group, while there is little guidance provided for Rotuma, as there are almost equal chances of *below normal*, *normal* and *above normal* rainfall.
- For July to September 2025 period, *normal* or *above normal* rainfall is likely across the Fiji Group, while there is little guidance provided for Rotuma, as there are almost equal chances of *below normal*, *normal* and *above normal* rainfall.
- *Normal* or *above normal* rainfall is likely across the Fiji Group, during October to December 2025 period.
- On July 2025 temperatures, both maximum and minimum temperatures are likely to be *above normal* across the Fiji Group.
- For to July to September 2025, both maximum and minimum temperatures are likely to be *above normal* across the Fiji Group.
- During neutral ENSO conditions, Fiji generally experiences average rainfall. However, local weather systems can still cause variations, especially during the ongoing dry season.

# **RAINFALL OUTLOOK**

## **JULY 2025**



Western Division: Normal or above normal rainfall Central Division: Normal or above normal rainfall Northern Division: Normal or above normal rainfall Eastern Division: Normal or above normal rainfall

Rotuma: Almost equal chances of below normal, normal and above normal rainfall

## **RAINFALL OUTLOOK**

### **JULY TO SEPTEMBER 2025**



Western Division: Normal or above normal rainfall

Central Division: Normal or above normal rainfall

Northern Division: Normal or above normal rainfall

Eastern Division: Normal or above normal rainfall

Rotuma: Almost equal chances of below normal, normal and above normal rainfall

## **RAINFALL OUTLOOK**

### **OCTOBER TO DECEMBER 2025**



Western Division: Normal or above normal rainfall Central Division: Normal or above normal rainfall Northern Division: Normal or above normal rainfall Eastern Division: Normal or above normal rainfall Rotuma: Normal or above normal rainfall

# **AIR TEMPERATURE**



Maximum temperature is likely to be *above normal* across the Fiji Group.

JULY 2025 Minimum Temperature



Minimum temperature is likely to be *above normal* across the Fiji Group.



Maximum temperature is likely to be *above normal* across the Fiji Group.

### **JULY TO SEPTEMBER 2025**

#### **Minimum Temperature**



Minimum temperature is likely to be *above normal* across the Fiji Group.

#### PAGE 06

# EL-NIÑO SOUTHERN OSCILLATION (ENSO)



Source: International Research Institute for Climate and Society

ENSO-neutral conditions continue to persist in the tropical Pacific Ocean.

ENSO-neutral is likely to continue during the July to September 2025 period, with global models still favouring neutral status to continue till the end of 2025.

During neutral ENSO conditions, Fiji generally experiences average rainfall. However, local weather systems can still cause variations, especially during the dry season.

### **EXPLANATORY NOTES**

### Climate (Rainfall/Air Temperature) Outlook

**Above normal** – indicates that the rainfall/temperature value lies in the highest third of observation recorded in the standard 30 year normal period.

**Near normal** – indicates that the rainfall/temperature value lies in the middle third of observation recorded in the standard 30 year normal period.

**Below normal** – indicates that the rainfall/temperature value lies in the lowest third of observation recorded in the standard 30 year normal period.

**Climatology** – means that there are almost equal chances of receiving below normal, normal and above normal rainfall. Outlook does not favour one extreme; neither below normal nor above normal.

### El Niño Southern Oscillation (ENSO)

ENSO is the principal driver of the year-to-year variability of Fiji's climate. There are two extreme phases of this phenomenon, *El Niño* and *La Niña*.

El Niño or La Niña events are a natural part of the global climate system and usually recur after every 2 to 7 years. It normally develops during the period April to June, attains peak intensity between December to February and decays between April to June period the following year. While most events last for a year, some have persisted for up to 2 years. It should be also noted that no two El Niño or La Niña events are the same. Different events have different impacts, but most exhibit some common climate characteristics.

Usually there is a lag effect on Fiji's climate with ENSO events, that is, once an El Niño or La Niña event is established in the tropical Pacific, it may take 2-6 months before its impact is seen on Fiji. Similarly, once an event finishes, it can take 2-6 months for climate to normalise.

**El Niño** events are associated with warming of the central and eastern tropical Pacific. El Niño events usually result in reduction of Fiji's rainfall. Often the whole of Fiji is affected in varying degrees and it is quite unusual for one part of the country to experience a prolonged dry spell, while the other is in a wet spell. The relationship and level of rainfall suppression is greater in the Dry Zone than in the Wet Zone. It is the suppression of rainfall during the Cool/Dry Season (May to October) that is normally of most concern. A reduction in Cool/Dry Season rainfall in the Dry Zone results in little or no rainfall until the next Wet Season. While usually the strength of an ENSO event is proportional to its impact on Fiji, at times weak event can also have a significant impact.

**La Niña** events are associated with cooling of the central and eastern tropical Pacific. Usually La Niña results in wetter than normal conditions for Fiji, occasionally leading to flooding during the Warm/Wet Season (November to April).

When ENSO is neutral, that is, neither El Niño nor La Niña, it has little effect on global climate, meaning other climate influences are more likely to dominate.

**Lag effects** – means that there is a delay in a change of some aspect of climate due to influence of other factors that is acting slowly.

FIJI METEOROLOGICAL SERVICE Private Mail Bag (NAP 0351) Nadi Airport, Fiji. Ph: +679 6724888, Fax: +679 67240430 Email: <u>climate@met.gov.fj</u> Also online at <u>http://www.met.gov.fj</u>