

# Fiji Climate Summary

## September 2026

### 1. IN BRIEF

Typical dry month rainfall was observed across the country during September, with the majority of stations recording *below normal* to *well below normal* rainfall. Notably, several stations in the Western Division recorded less than half of their normal monthly rainfall.

Out of the 24 stations available during the compilation of this bulletin, 12 recorded *below average*, 11 *well below average*, while Labasa Airfield was the only lone station that recorded *above average* rainfall. (Table 2, Figures 1-5).

Navua recorded the highest monthly rainfall total of 188.5mm, followed by Rotuma with 163.8mm, RKS Lodon with 137.5mm, Koronivia with 134.8mm and Monasavu with 123.6mm. On the contrary, Tavua recorded the month's lowest total rainfall of 4.0mm, followed by Rarawai Mill (Ba) with 4.5mm, Lautoka Mill with 6.0mm, Nadi Airport with 6.6mm.

On temperatures, the highest day-time temperature of

33.1°C was recorded at Rarawai Mill (Ba) on the 10<sup>th</sup>, followed by Momi with 32.6°C on the 3<sup>rd</sup> and Labasa Airfield with 32.1°C on the 9<sup>th</sup>. The month's coolest night-time temperature was observed at Monasavu with 11.4°C on the 15<sup>th</sup>, followed by 13.3°C at Nacolevu on the 28<sup>th</sup>, Sigatoka with 13.9°C on the 14<sup>th</sup> and Navua with 14.9°C on the 14<sup>th</sup>.

Nadi Airport and Matei Airfield recorded predominantly southeasterly winds. Nausori Airport recorded mostly easterly winds, while Savusavu Airfield was dominated by southerly winds (Figure 8).

*Below normal* sea surface temperature anomalies were prevalent in Fiji waters (Figure 9).

*Above normal* sea level anomalies were present across the Fiji Group during September (Figure 11).

El Niño-induced dry conditions caused water shortages, reduced agricultural production, livestock losses, fire risks, and increased health concerns across Fiji (Figure 12a-12l).

### 2. WEATHER PATTERNS

September 2026 was predominantly influenced by southeasterly trade winds, with several weak troughs affecting the group. Periods of strong and gusty winds were experienced, particularly during the first half of the month. A significant swell event also affected Fiji waters during the middle of the month. The month began with fresh to strong southeasterly trade winds. Winds became more easterly on 4<sup>th</sup>, with the strong winds easing. On 5<sup>th</sup>, a weak trough affected the eastern parts of the group, resulting in cloudy conditions over most places.

Southeasterly trade winds returned from 6<sup>th</sup>. A weak trough over the eastern parts of Fiji on 8<sup>th</sup> produced some showers over those areas, while the remainder of the group experienced generally fine weather. Another weak trough, accompanied by easterly winds, passed over Fiji on 10<sup>th</sup> and cleared the group by 11<sup>th</sup>. From 12<sup>th</sup>, south to southeast winds became strong, with damaging heavy swells affecting Fiji waters. South-

easterly trade winds continued on 15<sup>th</sup>, bringing trade showers to the windward parts of Fiji. Winds became east to southeast on 16<sup>th</sup>, followed by northeast to southeast winds on 17<sup>th</sup>. Following the passage of the trough, southerly winds prevailed on 19<sup>th</sup>, resulting in cooler conditions across the group. Southeasterly winds then dominated from 20<sup>th</sup> to 23<sup>rd</sup> and were gusty at times. Isolated brief showers were observed on 22<sup>nd</sup>, with cool morning drizzle reported in some areas. A trough affected Fiji from 24<sup>th</sup> to 25<sup>th</sup>, producing showers over parts of the country along with overcast conditions. Southeasterly winds returned and prevailed from 26<sup>th</sup> until the end of the month. On 30<sup>th</sup>, a weak trough was situated just west of Fiji.

The weather over Rotuma during September 2026 was characterised by southeasterly winds and several periods of trough activity, which brought showers to the island.

### 3. RAINFALL

Typical dry month rainfall was observed across the country during September, with the majority of stations recording *below normal* to *well below normal* rainfall, consistent with the drier conditions usually associated with El Niño.

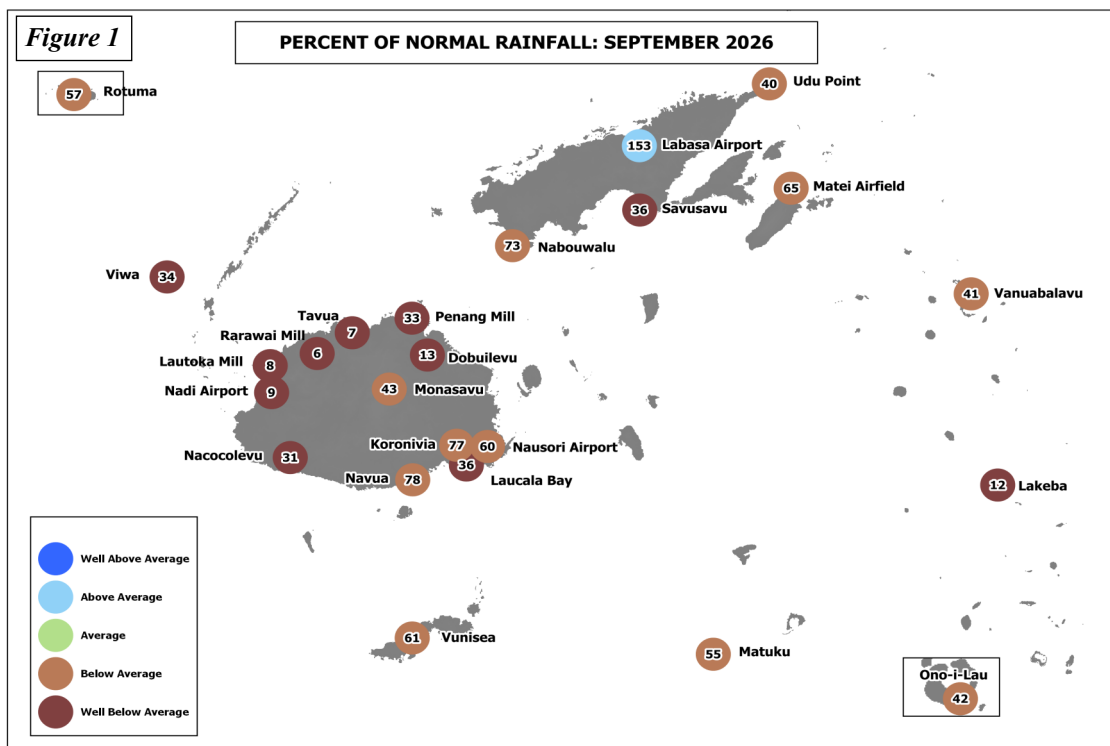
Drier than usual conditions were recorded across the Western, Central and Eastern Divisions and most parts of the Northern Division. Viwa, Nacocolevu, Nadi Airport, Lautoka Mill, Rarawai Mill (Ba), Tavua, Penang Mill, Dobuilevu, Laucala Bay (Suva), Savusavu and Lakeba, recorded rainfall totals of less than half their normal monthly rainfall. Out of the 24 stations available during the compilation of this bulletin, 12 recorded *below average*, 11 *well below average*, while Labasa Airfield was the only lone station that recorded *above average* rainfall (Table 2, Figures 1-5).

The highest monthly rainfall total of 188.5mm was recorded at Navua, followed by Rotuma with 163.8mm, RKS Lodonu with 137.5mm, Koronivia with 134.8mm, Monasavu with 123.6mm, Nasinu with 115.5mm, Labasa Airfield with 107.1mm, and Nausori Airport with 104.5mm. On the other hand, Tavua recorded the month's lowest total rainfall of 4.0mm, followed by Rarawai Mill (Ba) with 4.5mm, Lautoka Mill with 6.0mm, Nadi Airport with 6.6mm, Lakeba with 12.2mm, Dobuilevu with 16.5mm, Momi with 21.0mm, Viwa with 22.5mm, Penang Mill with 27.5mm, and Nacocolevu with 28.5mm.

A weak trough passed over Fiji on 18<sup>th</sup>, resulting in showers over most parts of the group. However, rainfall associated with this system was generally light, with 24-hour rainfall totals almost entirely below 10 mm. The highest 24-hour rainfall of 62.0mm was recorded at Labasa Airfield on the 4<sup>th</sup>, followed by Rotuma with 47.0mm on the 23<sup>rd</sup>, Navua with 27.5mm on the 16<sup>th</sup>, Koronivia with 27.0mm on the 5<sup>th</sup>, Matei Airfield with 25.0mm on the 7<sup>th</sup>, Nabouwalu and Korolevu both with 23.0mm on the 11<sup>th</sup> and 24<sup>th</sup>, respectively, and Sigatoka with 21.0mm on the 24<sup>th</sup>.

Monasavu recorded the highest number of rain days with 22 days, followed by Savusavu Airfield with 21 days, Rotuma, Navua, Matei Airfield, RKS Lodonu and Nasinu, all with 19 days, Nausori Airport and Laucala Bay (Suva) both with 18 days, Koronivia and Nabouwalu both with 17 days and Vanuabalavu with 15 days. On the contrary, Rarawai Mill (Ba) recorded the least number of rain days with 2 days, followed by Tavua with 4 days, Lautoka Mill, Nadi Airport and Momi, all with 5 days, Nacocolevu with 6 days, Viwa and Penang Mill both with 7 days and Lakeba, Sigatoka and Labasa Airfield, all with 8 days.

There were no new rainfall records observed during the month.



**Normal:** Long term average from 1991 to 2020

**Well Below Average:** Rainfall less than 40% of normal

**Below Average:** Rainfall between 40 to 79%

**Rain Day:** Rainfall  $\geq 0.1$ mm

**Average:** Rainfall between 80 to 119%

**Above Average:** Rainfall between 120 to 199%

**Well Above Average:** Rainfall greater than or equal to 200% of normal

## 4. AIR TEMPERATURES

### A. Maximum Day-time Air Temperatures

*Near normal to below normal* day-time temperatures were observed across the country during September. Out of the 19 climate stations with available anomalies, 5 recorded anomalies within  $\pm 0.5^{\circ}\text{C}$  and 14 recorded anomalies  $\leq -0.5^{\circ}\text{C}$ .

The warmest days on average were recorded at Rarawai Mill (Ba) with  $31.0^{\circ}\text{C}$ , followed by Momi with  $30.9^{\circ}\text{C}$ , Rotuma with  $29.7^{\circ}\text{C}$ , Viwa with  $29.5^{\circ}\text{C}$ , Nadi Airport with  $29.4^{\circ}\text{C}$ , Labasa Airfield with  $29.3^{\circ}\text{C}$ , Udu Point with  $28.5^{\circ}\text{C}$ , and Penang Mill with  $28.1^{\circ}\text{C}$ . Conversely, Monasavu recorded the coolest days on average at  $21.1^{\circ}\text{C}$ , followed by Matuku with  $25.1^{\circ}\text{C}$ , Koronivia with  $25.4^{\circ}\text{C}$ , Laucala Bay (Suva) and Nausori Airport both with  $25.7^{\circ}\text{C}$ , Vanuabalavu, Nabouwalu and Savusavu Airfield, all with  $26.0^{\circ}\text{C}$ , Lakeba and Sigatoka both with  $26.1^{\circ}\text{C}$ , and Matei Airfield with  $26.9^{\circ}\text{C}$ .

The highest day-time temperature of  $33.1^{\circ}\text{C}$  was recorded at Rarawai Mill (Ba) on the 10<sup>th</sup>, followed by Momi with  $32.6^{\circ}\text{C}$  on the 3<sup>rd</sup>, Labasa Airfield with  $32.1^{\circ}\text{C}$  on the 9<sup>th</sup>, Nacocolevu with  $32.0^{\circ}\text{C}$  on the 16<sup>th</sup>, Viwa with  $31.6^{\circ}\text{C}$  on the 10<sup>th</sup>, Nadi Airport with  $31.5^{\circ}\text{C}$  on the 10<sup>th</sup>, and Levuka and Penang Mill, both with  $31.4^{\circ}\text{C}$  on the 9<sup>th</sup> and 11<sup>th</sup>, respectively.

The coolest day-time temperature was observed at Monasavu with  $17.7^{\circ}\text{C}$  on the 27<sup>th</sup>, followed by Koronivia with  $22.5^{\circ}\text{C}$  on the 2<sup>nd</sup>, Nausori Airport with  $22.9^{\circ}\text{C}$  on the 24<sup>th</sup>, Laucala Bay (Suva) and Matuku both with  $23.1^{\circ}\text{C}$  on the 24<sup>th</sup> and 26<sup>th</sup>, respectively, Levuka with  $23.2^{\circ}\text{C}$  on the 24<sup>th</sup>, Vanuabalavu with  $23.4^{\circ}\text{C}$  on the 24<sup>th</sup>, and Nabouwalu with  $23.5^{\circ}\text{C}$  on the 24<sup>th</sup>.

There were no new day-time temperature records established during the month.

### B. Minimum Night-time Air Temperatures

Night-time temperatures ranged from *near normal to below normal* during the month. Out of the 20 climate stations with available anomalies, 5 recorded anomalies within  $\pm 0.5^{\circ}\text{C}$  and 15 recorded anomalies  $\leq -0.5^{\circ}\text{C}$ .

The cool night time temperatures were observed mostly during the first half of the month. The coolest nights on average were recorded at Monasavu with  $15.3^{\circ}\text{C}$ , followed by Nacocolevu with  $16.7^{\circ}\text{C}$ , Matei Airfield with  $18.5^{\circ}\text{C}$ , Sigatoka with  $18.7^{\circ}\text{C}$ , Vunisea with  $19.1^{\circ}\text{C}$ , Navua, Rarawai Mill (Ba) and Lakeba, all with  $19.2^{\circ}\text{C}$ , Matuku with  $19.8^{\circ}\text{C}$ , Labasa Airfield, Nausori Airport and Koronivia, all with  $19.9^{\circ}\text{C}$ , and Nadi Airport with  $20.1^{\circ}\text{C}$ . In contrast, the warmest nights on average, were observed at Rotuma with  $23.9^{\circ}\text{C}$ , followed by Viwa with  $22.5^{\circ}\text{C}$ , Momi with  $22.3^{\circ}\text{C}$ , Savusavu Airfield with  $22.0^{\circ}\text{C}$ , Laucala Bay (Suva), Udu Point and Penang Mill, all with  $21.3^{\circ}\text{C}$ , Levuka with  $21.0^{\circ}\text{C}$ , Vanuabalavu with  $20.5^{\circ}\text{C}$ , and Yasawa-i-Rara with  $20.4^{\circ}\text{C}$ .

The month's coolest night-time temperatures were observed at Monasavu with  $11.4^{\circ}\text{C}$  on the 15<sup>th</sup>, followed by  $13.3^{\circ}\text{C}$  at Nacocolevu on the 28<sup>th</sup>, Sigatoka with  $13.9^{\circ}\text{C}$  on the 14<sup>th</sup>, Navua with  $14.9^{\circ}\text{C}$  on the 14<sup>th</sup>, Nausori Airport with  $15.0^{\circ}\text{C}$  on the 13<sup>th</sup>, Koronivia with  $15.6^{\circ}\text{C}$  on the 14<sup>th</sup>, Rarawai Mill (Ba) with  $15.7^{\circ}\text{C}$  on the 1<sup>st</sup>, Matuku with  $15.9^{\circ}\text{C}$  on the 13<sup>th</sup>, and Matei Airfield with  $16.6^{\circ}\text{C}$  on the 21<sup>st</sup>.

The warmest night-time temperature was recorded at Penang Mill with  $26.3^{\circ}\text{C}$  on the 1<sup>st</sup>, followed by Rotuma with  $26.0^{\circ}\text{C}$  on the 6<sup>th</sup>, Momi with  $24.3^{\circ}\text{C}$  on the 11<sup>th</sup>, Udu Point with  $24.1^{\circ}\text{C}$  on the 30<sup>th</sup> and Viwa with  $24.0^{\circ}\text{C}$  on 11<sup>th</sup>.

There were no new night-time temperature records established during the month.

## TABLE 1. CLIMATE RECORDS ESTABLISHED IN SEPTEMBER 2026

There were no new climate records established in September.

*Note: All comparisons in this summary are with respect to "Climatic Normals". This is defined to be the average climate condition over a 30-year period. Fiji uses 1991-2020 period as its "climatic normal" period.*

**TABLE 2. DAILY CLIMATE REPORTING SITES: SUMMARY FOR SEPTEMBER 2026**

|                     | RAINFALL |               |       |      | AIR TEMPERATURES |        |        |        |         |        |        |        | SUNSHINE |     |
|---------------------|----------|---------------|-------|------|------------------|--------|--------|--------|---------|--------|--------|--------|----------|-----|
|                     | TOTAL    | RAIN          | MAX.  | FALL | AVERAGE DAILY    |        |        |        | EXTREME |        |        |        | TOTAL    | *   |
|                     | MM       | * DAYS<br>% + | MM ON |      | MAX. #           | MIN. # | MAX. # | MIN. # | MAX. #  | MIN. # | MAX. # | MIN. # | HRS      | %   |
| NADI AIRPORT        | 6.6      | 9 5           | 3 18  |      | 29.4             | 0.2    | 20.1   | -0.3   | 31.5    | 10     | 18.1   | 16     | 202      | 100 |
| LAUCALA BAY         | 66.9     | 36 18         | 15 25 |      | 25.7             | -1.8   | 21.3   | -0.5   | 30.3    | 4      | 17.5   | 14     | 62       | 48  |
| NACOCOLEVU RESEARCH | 28.5     | 31 6          | 13 18 |      | 28.1             | -0.6   | 16.7   | -2.2   | 32.0    | 16     | 13.3   | 28     | 166      | 117 |
| ROTUMA              | 163.8    | 58 19         | 47 23 |      | 29.7             | -0.2   | 23.9   | -0.6   | 31.2    | 11     | 21.5   | 30     | 140      | 81  |
| VIWA AWS            | 22.5     | 34 7          | 7 24  |      | 29.5             | 0.2    | 22.5   | -0.6   | 31.6    | 10     | 20.7   | 1      |          |     |
| YASAWA-I-RARA AWS   | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| UDU POINT WEATHER   | 49.8     | 40 11         | 13 23 |      | 28.5             | -0.4   | 21.3   | -1.6   | 30.3    | 11     | 18.9   | 27     |          |     |
| NABOUWALU           | 79.6     | 73 17         | 23 11 |      | 26.0             | -1.4   | U/S    |        | 30.8    | 11     | U/S    |        |          |     |
| LABASA AIRFIELD     | 107.1    | 155 8         | 62 4  |      | 29.3             | -1.3   | 19.9   | 0.3    | 32.1    | 9      | 17.4   | 14     |          |     |
| SAVUSAVU AIRFIELD   | 40.5     | 36 21         | 6 10  |      | 26.0             | -1.6   | 22.0   | 0.2    | 29.2    | 9      | 19.4   | 18     |          |     |
| KORONIVIA RESEARCH  | 134.8    | 75 17         | 27 5  |      | 25.4             | -1.9   | 19.9   | -0.6   | 28.7    | 9      | 15.6   | 14     |          |     |
| NAUSORI AIRPORT     | 104.5    | 60 18         | 15 7  |      | 25.7             | -1.3   | 19.9   | -0.6   | 29.9    | 1      | 15.0   | 13     |          |     |
| NAVUA AWS           | 188.5    | 78 19         | 28 16 |      | U/S              |        | 19.2   | -0.8   | U/S     |        | 14.9   | 14     |          |     |
| MONASAVU HYDRO DAM  | 123.6    | 43 22         | 18 24 |      | 21.1             | -1.3   | 15.3   | -0.9   | 27.4    | 1      | 11.4   | 15     |          |     |
| FSC LAUTOKA MILL    | 6.0      | 8 5           | 2 18  |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| FSC RARAWAI MILL    | 4.5      | 6 2           | 3 24  |      | 31.0             | 0.2    | 19.2   | 0.2    | 33.1    | 10     | 15.7   | 1      |          |     |
| FSC PENANG MILL     | 27.5     | 33 7          | 14 11 |      | 28.1             | -0.7   | 21.3   | 0.0    | 31.4    | 11     | 18.7   | 19     |          |     |
| MATEI AIRFIELD      | 94.1     | 65 19         | 25 7  |      | 26.9             | -1.0   | 18.5   | -3.9   | 29.4    | 10     | 16.6   | 21     |          |     |
| VANUABALAVU         | 46.1     | 43 15         | 19 7  |      | 26.0             | -1.6   | 20.5   | -1.8   | 29.1    | 11     | 17.6   | 26     |          |     |
| LAKEBA              | 12.2     | 13 8          | 5 5   |      | 26.1             | -1.2   | 19.2   | -2.5   | 29.4    | 11     | 17.5   | 13     |          |     |
| VUNISEA             | 77.1     | 63 13         | 9 10  |      | U/S              |        | 19.1   | -1.5   | U/S     |        | 17.7   | 27     |          |     |
| MATUKU              | 58.5     | 60 14         | 16 5  |      | 25.1             | -2.0   | 19.8   | -1.8   | 27.5    | 9      | 15.9   | 13     |          |     |
| ONO-I-LAU AWS       | 45.5     | 42 11         | 11 18 |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| WAINIKORO AWS       | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| SAQANI AWS          | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| SEAQAQA AWS         | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| KUBULAU AWS         | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| RKS LODONI AWS      | 137.5    | 19            | 20 5  |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| LOMAIVUNA AWS       | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| KOROLEVU AWS        | 63.0     | 9             | 23 24 |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| NADARIVATU AWS      | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| SIGATOKA AWS        | 37.5     | 8             | 21 24 |      | 26.1             |        | 18.7   |        | 28.5    | 18     | 13.9   | 14     |          |     |
| KEYASI AWS          | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| MOMI AWS            | 21.0     | 5             | 9 18  |      | 30.9             |        | 22.3   |        | 32.6    | 3      | 20.9   | 26     |          |     |
| YAQARA AWS          | U/S      |               |       |      | U/S              |        | U/S    |        | U/S     |        | U/S    |        |          |     |
| LEVUKA AWS          | 60.5     | 12            | 15 16 |      | 27.3             |        | 21.0   |        | 31.4    | 9      | 19.0   | 13     |          |     |
| DOBUILEVU TB3       | 16.5     | 13 10         | 4 24  |      |                  |        |        |        |         |        |        |        |          |     |
| NASINU TB3          | 115.5    | 19            | 16 5  |      |                  |        |        |        |         |        |        |        |          |     |
| TAVUA TB3           | 4.0      | 7 4           | 2 11  |      |                  |        |        |        |         |        |        |        |          |     |

|                    | TEMPERATURE( C) |                  |      |     | HUMIDITY |      | WIND |
|--------------------|-----------------|------------------|------|-----|----------|------|------|
|                    | MEAN            | DRY              | WET  | RH% | VP       | KT   |      |
|                    |                 | (AVERAGE AT 9AM) |      |     |          |      |      |
| NADI AIRPORT       | 24.7            | 25.1             | 20.0 | 61  | 23.8     | 8.5  |      |
| LAUCALA BAY        | 23.5            | 23.7             | 21.6 | 82  | 21.9     |      |      |
| NACOCOLEVU RESEARC | 22.4            | 23.9             | 20.8 | 76  | 22.2     |      |      |
| ROTUMA             | 26.8            | 27.5             | 25.4 | 84  | 27.5     | 12.2 |      |
| VIWA AWS           | 26.0            |                  |      |     |          |      |      |
| YASAWA-I-RARA AWS  | U/S             |                  |      |     |          |      |      |
| UDU POINT WEATHER  | 24.9            | 25.7             | 22.9 | 79  | 24.7     |      |      |
| NABOUWALU          | U/S             | 24.2             | 21.2 | 77  | 22.6     |      |      |
| LABASA AIRFIELD    | 24.6            | 26.3             | 22.4 | 70  | 25.6     | 12.0 |      |
| SAVUSAVU AIRFIELD  | 24.0            | 24.2             | 21.6 | 79  | 22.6     | 9.0  |      |
| KORONIVIA RESEARCH | 22.6            | 23.4             | 21.1 | 82  | 21.5     |      |      |
| NAUSORI AIRPORT    | 22.8            | 23.3             | 20.8 | 80  | 21.4     | 7.0  |      |
| MONASAVU HYDRO DAM | 18.2            | 17.5             | 17.1 | 97  | 14.9     |      |      |
| FSC LAUTOKA MILL   | U/S             |                  |      |     |          |      |      |
| FSC RARAWAI MILL   | 25.1            | 26.5             | 25.7 | 94  | 25.9     |      |      |
| FSC PENANG MILL    | 24.7            | 24.7             | 21.1 | 73  | 23.3     |      |      |
| MATEI AIRFIELD     | 22.7            | 24.9             | 22.3 | 79  | 23.5     | 13.9 |      |
| VANUABALAVU        | 23.2            | 23.9             | 21.7 | 83  | 22.2     |      |      |
| LAKEBA             | 22.7            | 24.1             | 21.6 | 80  | 22.4     |      |      |
| VUNISEA            | U/S             | 24.7             | 20.2 | 66  | 23.3     |      |      |
| MATUKU             | 22.4            | 23.4             | 19.8 | 72  | 21.5     |      |      |
| ONO-I-LAU AWS      | U/S             |                  |      |     |          |      |      |

MEAN TEMPERATURE IS (MAX+MIN)/2; WIND IS MEAN SPEED AT 06,12,18,24 HOURS.

\$ :SOLAR RADIATION CALCULATED FROM SUNSHINE DURATION. # :DEPARTURE FROM LONG-TERM AVERAGES (1991-2020). + :NUMBER OF DAYS WITH 0.1 MM OR MORE RAIN. \* :PERCENT OF LONG-TERM AVERAGES.

BLUE FONT: MISSING RECORDS OF LESS THAN OR EQUAL(≤) TO 5 DAYS. U/S: UNSERVICEABLE GREEN FONT: AWS READING

Figure 2

Nadi Airport (Western Division) - Temperature & Rainfall Records for the last 13 Months  
(September 2025 - September 2026)

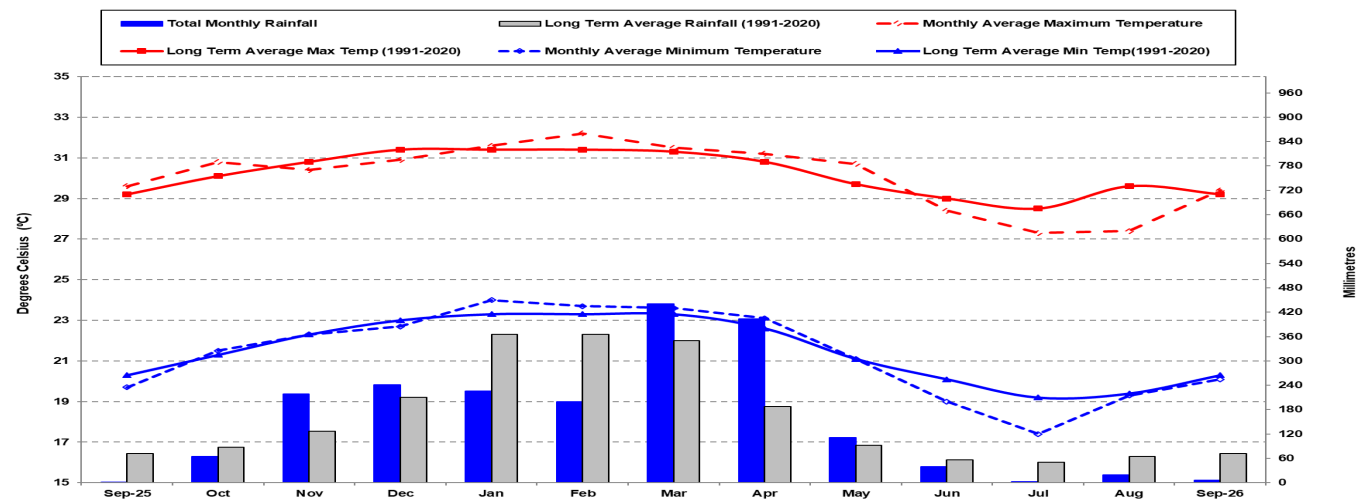


Figure 3

Laulaca Bay - (Suva) (Central Division) - Temperature & Rainfall Records for the last 13 Months  
(September 2025 - September 2026)

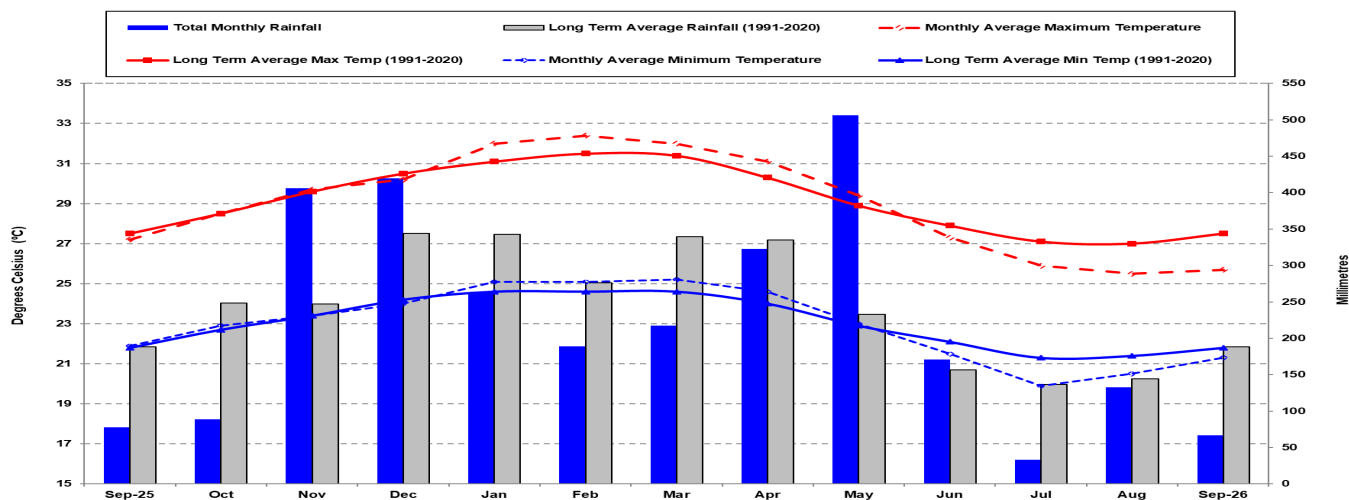


Figure 4

Udu Point (Eastern Division) - Temperature & Rainfall Records for the last 13 Months  
(September 2025 - September 2026)

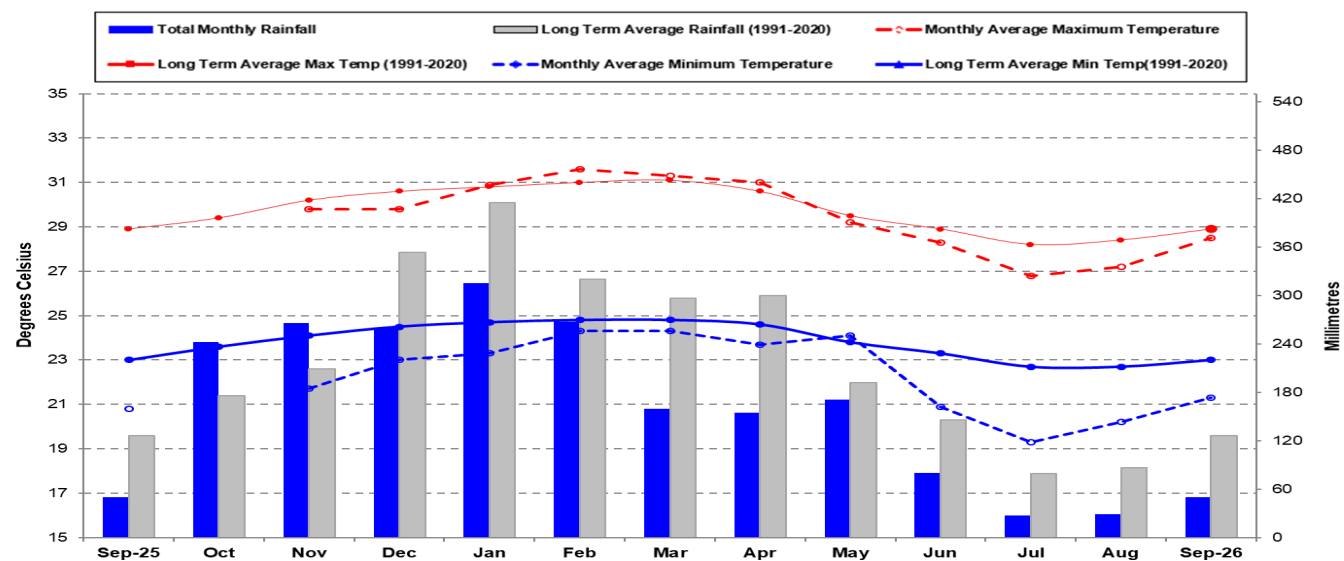
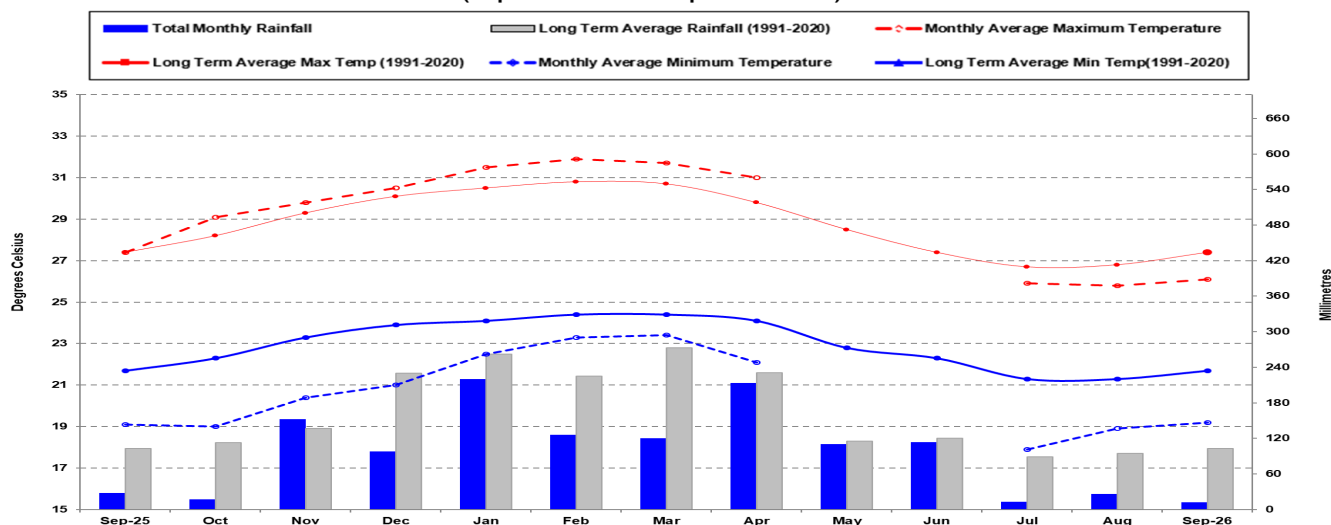


Figure 5

Lakeba (Eastern Division) - Temperature & Rainfall Records for the last 13 Months  
(September 2025 - September 2026)

## 5. DAILY RAISED PAN EVAPORATION

Figure 6

Daily Evaporation for September 2026

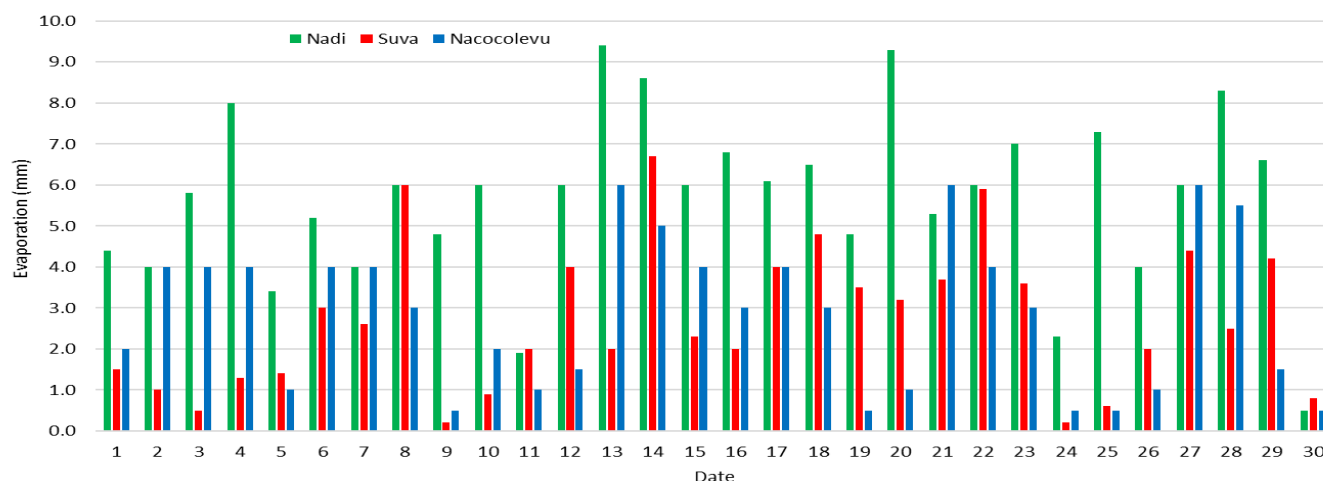


**Figure 6:** The total monthly raised pan evaporation at Nadi Airport, Laucala Bay (Suva) and Nacocolevu (Sigatoka) were 170.3mm, 80.8mm and 86.0mm, respectively. Nadi's highest daily evaporation was 9.4mm on the 13<sup>th</sup>, with Suva's highest daily evaporation of 6.7mm on the 14<sup>th</sup>, while Nacocolevu (Sigatoka) recorded its highest of 6.0mm on the 13<sup>th</sup> 21<sup>st</sup> and 27<sup>th</sup>.

## 6. SOLAR RADIATION

The Nadi solar radiation instrument was unserviceable during the month of September 2026.

## 7. WIND SUMMARY

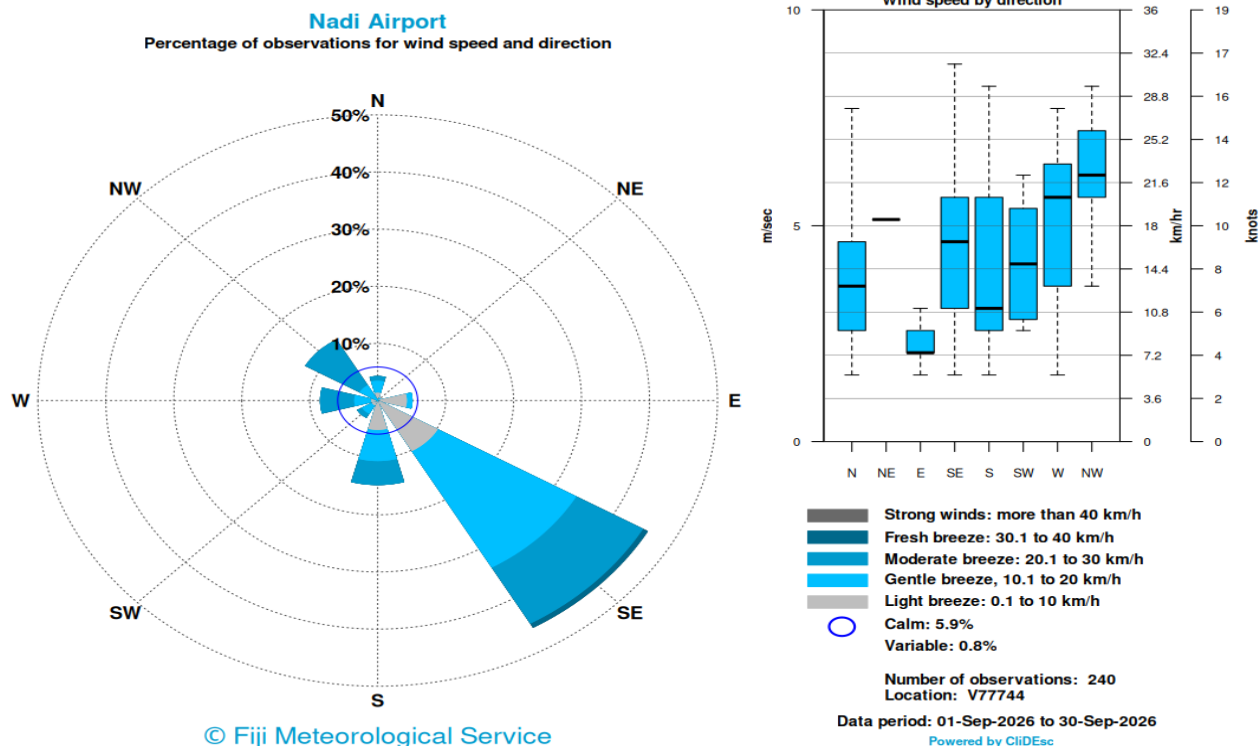


**Figure 8a:** During September, southeasterly winds were the most dominant in Nadi's 3-hourly observations, followed by southerly then northwesterly winds. Wind strength ranged from light to fresh breeze, while calm winds accounted for 5.9% of observations.

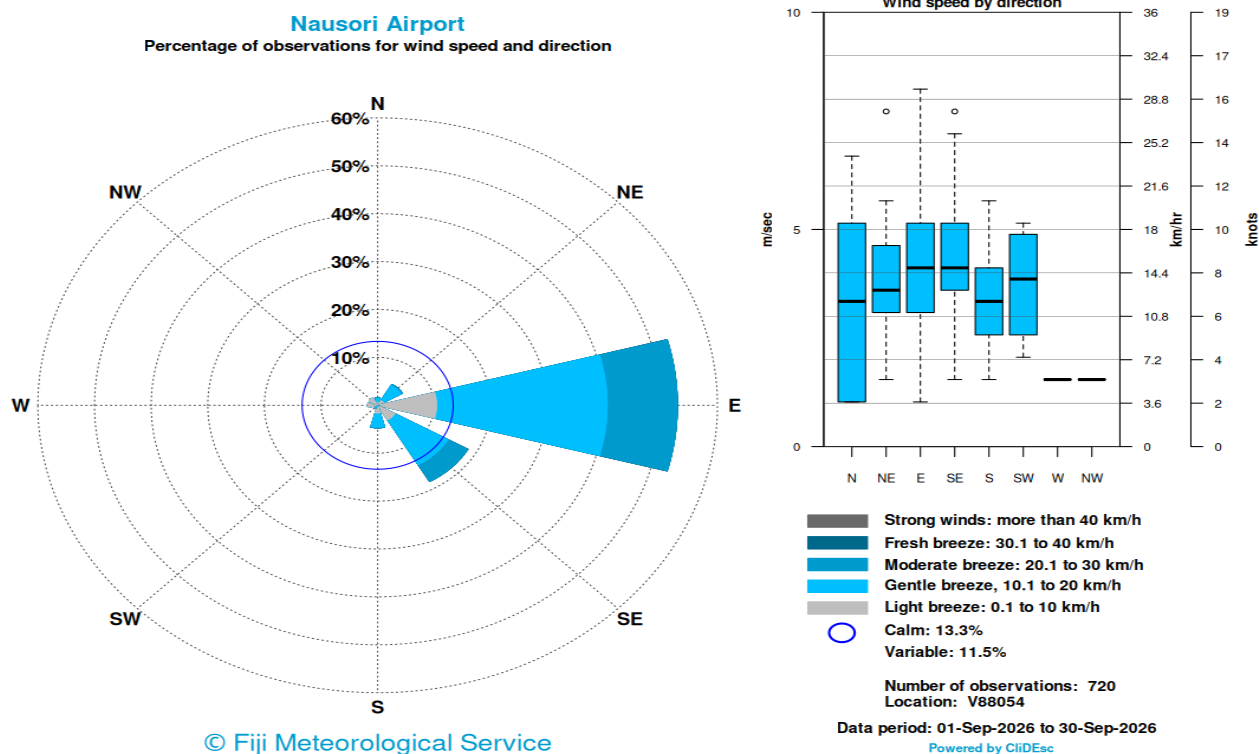


**Figure 8b:** Easterly winds dominated Nausori Airport's hourly observations for September, followed by southeasterly and northeasterly winds. Wind strength ranged from light to moderate breeze, while calm winds accounted for 13.3% of observations.

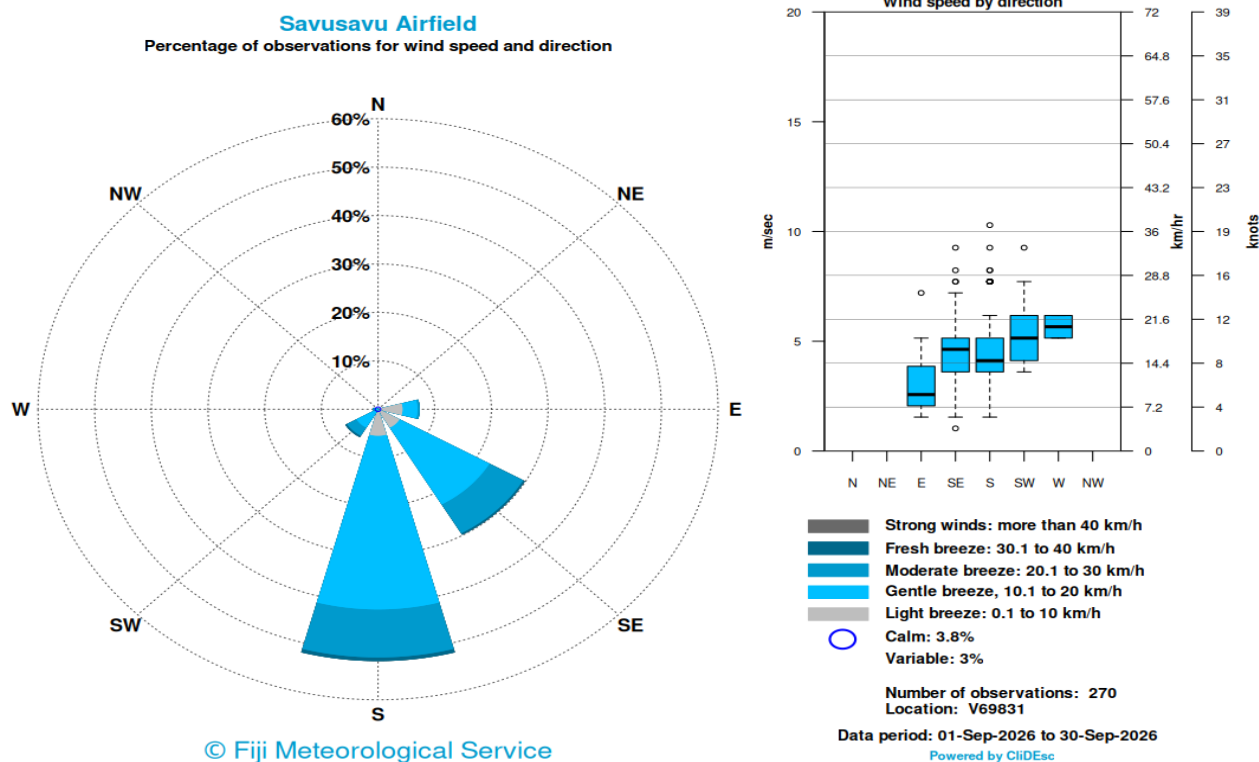


**Figure 8c:** Southerly winds were dominant in Savusavu Airfield's hourly observations from 0800hrs to 1600hrs during September followed by southeasterly then easterly winds. Wind strength ranged from light to moderate breeze, while calm conditions were recorded in 3.8% of observations.

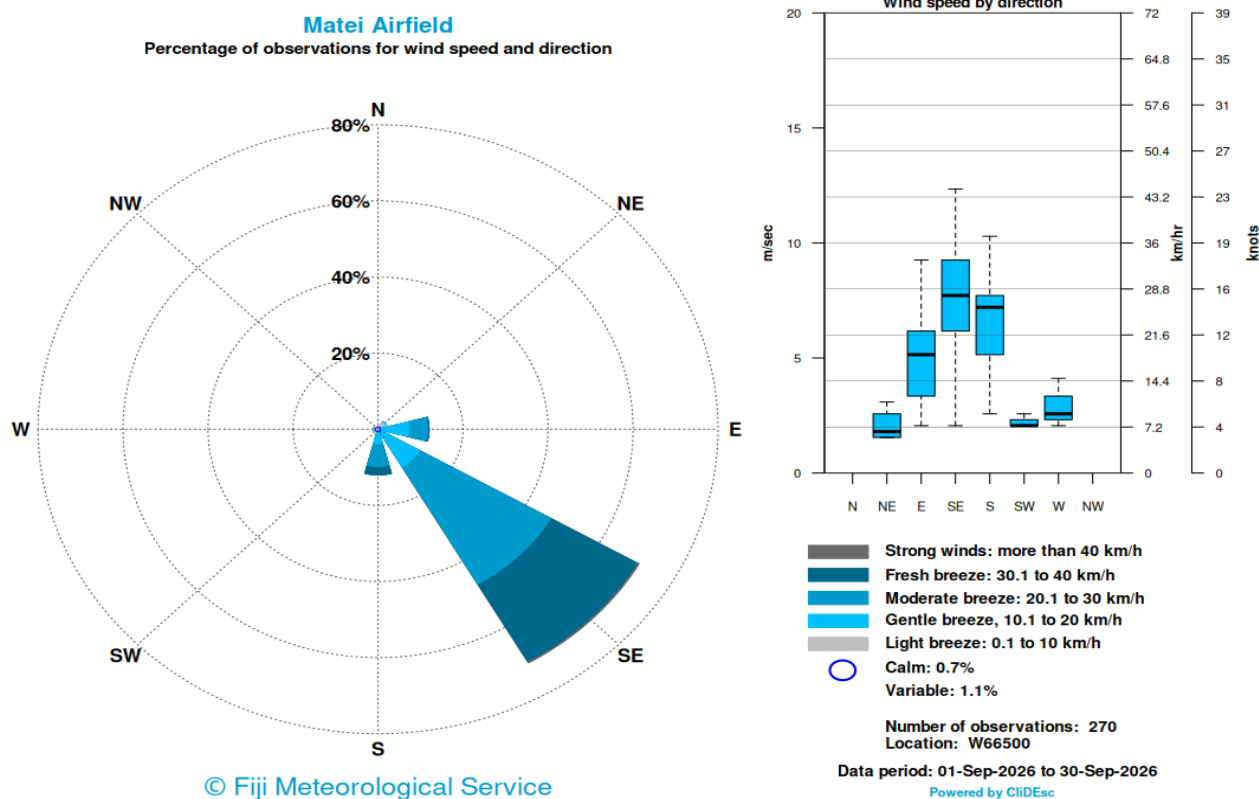


**Figure 8d:** Matei Airfield's hourly wind observations from 0800hrs to 1600hrs were predominantly southeasterly during September, followed by easterly then southerly winds. Wind strength ranged from light breeze to strong winds, while calm conditions were recorded in 0.7% of observations.

## 8. SEA SURFACE TEMPERATURE (SST)

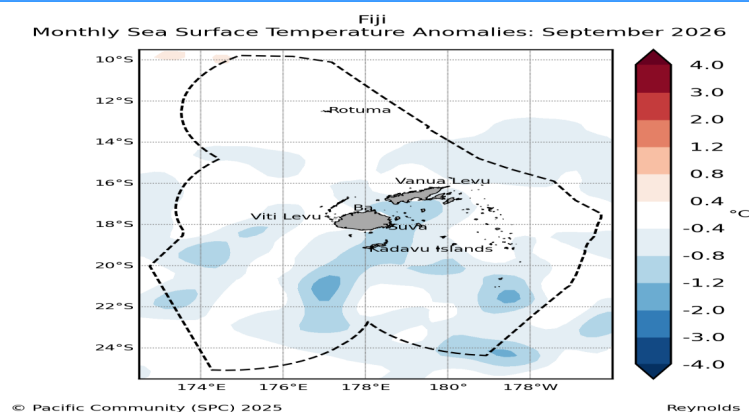


**Figure 9:**

*Below normal sea surface temperature anomalies were prevalent in Fiji waters, ranging from  $-0.4^{\circ}\text{C}$  to  $-1.2^{\circ}\text{C}$ .*

*Source: <https://oceanportal.spc.int/explorer>*

## 9. CLOUD COVER

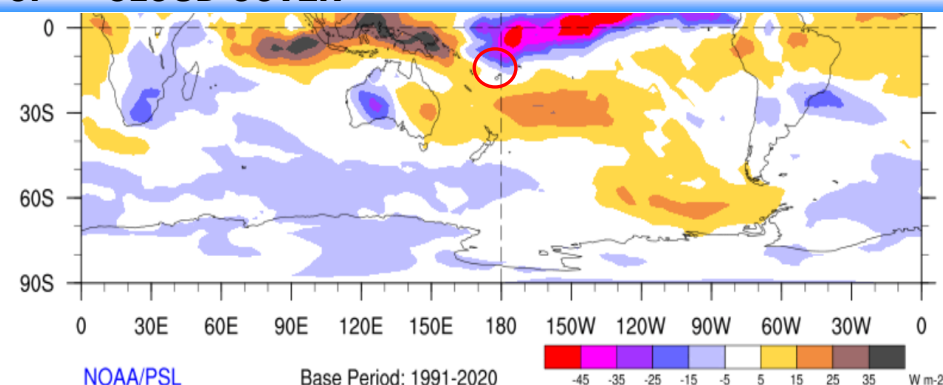


**Figure 10:**

*30-Day Average OLR Anomaly: Near normal cloud cover was observed over the Fiji Group in the month of September (01/09/26–01/10/26) (Fiji in red circle).*

*Source: <http://www.esrl.noaa.gov/psd/map/clim/olr.shtml>*

## 10. SEA LEVEL

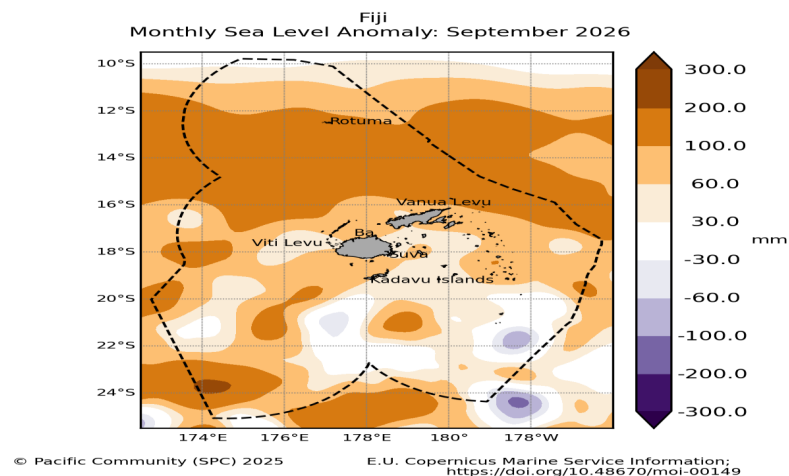


**Figure 11:**

*Above normal sea level anomalies were present across the Fiji Group during September.*

*Source: <https://oceanportal.spc.int/explorer>*

## 11. WIND ANOMALIES

Wind anomalies map for the month of September could not be generated due to Technical difficulties.

## 12. DRY SPELL

The impacts of El Niño have started to be felt in some parts of Fiji, particularly in the Western, Northern and Eastern Divisions. Rainfall was substantially low during September, triggering dry spells in the Western Division. The dry spell affected farmlands across the Western and Northern Division. Farmers in Korotari, Labasa have been affected due to a decline in vegetable production, resulting in lower income (Figure 12a). Nineteen families residing in Vunivacea, Labasa faced serious water shortages after the borehole supplying their water dried up due to prolonged dry weather during the beginning of the month. Livestock losses were reported by farmers in the Northern Division as there was not enough water for livestock sustenance (Figure 12c).

The effects of the dry spell was quite visible across Fiji's Western Division. From Nacocolevu to Dobuilevu corridor, all stations recorded less than half their normal monthly rainfall. Reduced rainfall put additional pressure on agricultural communities in Teidamu, Drasa and Raviravi and increased risk of sugarcane farm fires (Figure 12d). Farmers in Rakiraki lost livestock as water shortage worsened (Figure 12e-f). Creeks and water levels were reported to be declining in Rakiraki and some parts of Nadi (Figure 12i-j).

Maritime communities across Fiji were affected by the dry spell as many requested for emergency water carting. The communities that requested for water carting included, Cikobia, Kia, Mali, Kavewa, Druadrua, Namukalau, Gevo, Taveuni, Nagelevu, Qamea, Yacata, Kioa, Yaqaga, Galoa and Tavea. Water carting was carried out by government officials in Batiki Island and Vatulele (Figure 12g and 12l). Prolonged dry conditions depleted local rainwater harvesting systems, leaving maritime communities in a desperate struggle for clean water. This further led to rise in diarrhea cases on Batiki Island.



Figure 12a: Vegetation cover declining due to dry spell in Korotari, Labasa on the 3<sup>rd</sup>. Source: Fiji Sun.



Figure 12b: Dry spell affecting farmlands in Vunivacea, Labasa as reported on the 13<sup>th</sup>. Source: FijiVillage.



Figure 12c: Farmers losing livestock during dry spell in Vunivacea, Labasa as reported on the 15<sup>th</sup>. Source: The Fiji Times.



Figure 12d: Farms in Drasa, Lautoka affected by fires on the 20<sup>th</sup>. Source: FijiVillage.



Figure 12e: Livestock's being affected in Rakiraki due to water shortages as reported on the 22<sup>nd</sup>. Source: FijiVillage.



Figure 12f: Rivers starting to dry up in Rakiraki as reported on the 22<sup>nd</sup>. Source: FijiVillage.



Figure 12g: Water being supplied in Batiki Island on the 22<sup>nd</sup>. Source: FBC News.



Figure 12h: Partially dry farmland in Votualevu, Nadi as observed on the 23<sup>rd</sup>. Source: Fiji Times.



Figure 12i: River levels decreasing in Sabeto, Nadi as reported on the 23<sup>rd</sup>. Source: Fiji Times.



Figure 12j: Water levels declining in creeks around Nadi as reported on the 24<sup>th</sup>. Source: FBC News.



Figure 12k: Cracked grounds becoming visible in parts of Nadi as reported on the 24<sup>th</sup>. Source: FBC News.



Figure 12l: Water carting being carried out on Vatulele Island on the 25<sup>th</sup>. Source: NDRMO.

## EXPLANATORY NOTES

**Anomalies** - denote the departure of an element (rainfall, temperature, sea surface temperature, cloud cover, sea level and wind) from its long-period average value for a particular location.

**Trough** - an elongated area of low atmospheric pressure that is associated with a cyclone, or low. Sometimes referred to as a 'trough of low pressure'.

**Rain** - Liquid precipitation in the form of water droplets. Rain falls from dense, continuous clouds, called 'stratiform' clouds.

**Shower** - precipitation from individual clouds, often characterised by the sudden beginning or ending. Showers fall from 'lumpy looking', 'cauliflower' clouds, called 'cumuloform' clouds.

**Trade Winds** - the trade winds are the east to southeasterly winds (in the Southern Hemisphere) which affect tropical and subtropical regions.

**High pressure systems** or anticyclones are atmospheric circulations that rotate anti-clockwise in the Southern Hemisphere. Anticyclones are areas of higher pressure and are generally associated with lighter winds and fine and settled conditions.

**Low pressure systems** or mid-latitude cyclones are atmospheric circulations that rotate clockwise in the Southern Hemisphere (anti-clockwise in the Northern Hemisphere). Cyclones are areas of lower pressure and generally associated with stronger winds, unsettled conditions, cloudiness and rainfall.

**Sea Surface Temperature (SST)** - the temperature of the water's surface. It is usually measured using buoys, ship data, and satellites.