



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 15 to 21 March 2026

- During the past week, most parts of South Sudan were in wet conditions.
- The maximum total rainfall was recorded in Juba 93 mm on 18 March 2026.

Forecast for 25 March to 01 April 2026

- **Moderate rainfall** (less than 100 mm) is expected across most of the Western Equatoria State, as well as in some parts of the country.
- **Light rainfall** (less than 50 mm) is expected over all parts of South Sudan.

Recent Rainfall and Temperature Observations

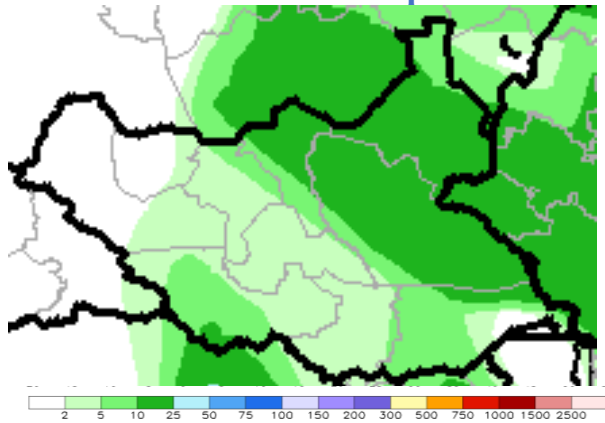


Figure 1: Past week Satellite & Gauge Estimated Rainfall (mm) *Source:* NOAA/CPC

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 15-21 March 2026

During the past week, most parts of South Sudan experienced rainfall conditions. Indicates accumulations between (**0 and 40 mm**) across South Sudan. The highest rainfall totals (**20–40 mm**) are concentrated in the southern parts of Western Equatoria State, the Pibor Administration Area, Jonglei State, Upper Nile State, and most of Unity State, while lower amounts (less than **20 mm**) dominate elsewhere.

In recent days, Total rainfall records at Juba and Wau indicate, with maximums of 93 mm and 27.5mm on the 17 and 18 of March 2026.

Rainfall Forecast for 25 March to 01 April 2026

The forecast for this week (25 March to 01 April 2026) indicates Moderate rainfall (less than 100 mm) is expected over most of the Western Equatoria State, Southwestern of Pibor Administration Area State, Southwestern parts of Jonglei State, most parts of Unity State, Warrap State, and Abyei Administration Area, while Light rainfall (less than 30 mm) is expected over most parts of the Country.

For more information, please contact Emmanuel Qurino: equirino@yahoo.com, Samuel Thon : thonsamuel7@gmail.com , Badreldin Fartak : bytf83@gmail.com or website www.meteosouthsudan.com.ss



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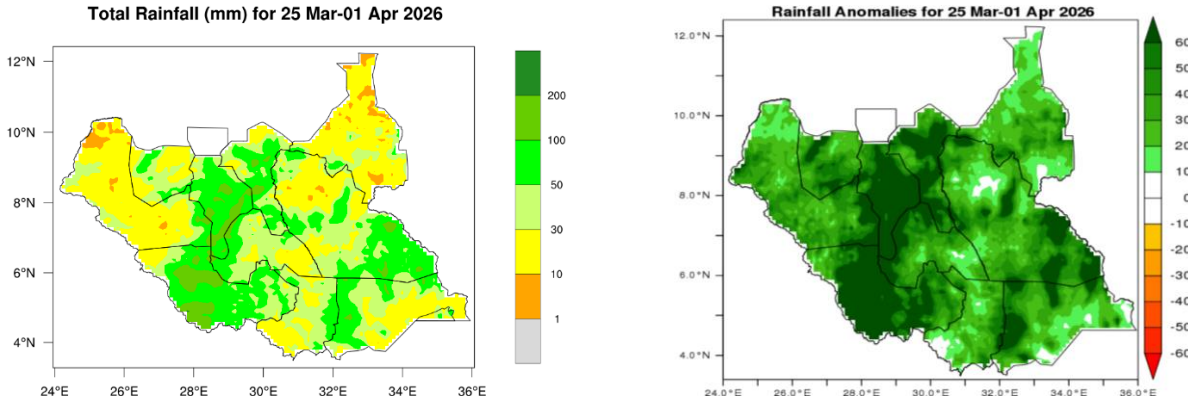


Figure 2a: Total rainfall(mm) forecast for 25 Mar-01 Apr 2026 Figure 2b: Rainfall anomalies for 25 Mar-01 Apr 2026

Mean Temperature and Heat Stress Forecast for 18-25 March 2026

The forecast for this week (25 March to 01 April 2026) indicates that average temperatures are above 28 °C, with actual daily maximums above 28 °C on all days, most parts of South Sudan, while less than 28 °C over most parts Western equatorial State, Southern parts of Eastern Equatorial State, Southeastern Pibor Administration Area, and west parts of Western Bahar el Gazal State. According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected over Western Bahar el Gazal State, and colder-than-usual temperatures are expected over most parts of the country this week. Based on the heat index in Figure 3c, forecasts indicate the number of days within the respective week when the heat index falls into the extreme caution category. Show that most parts of South Sudan experienced elevated temperatures of 38°C, which will cause heat stress, with up to 2-4 days of heat stress from 25 March to 01 April 2026.

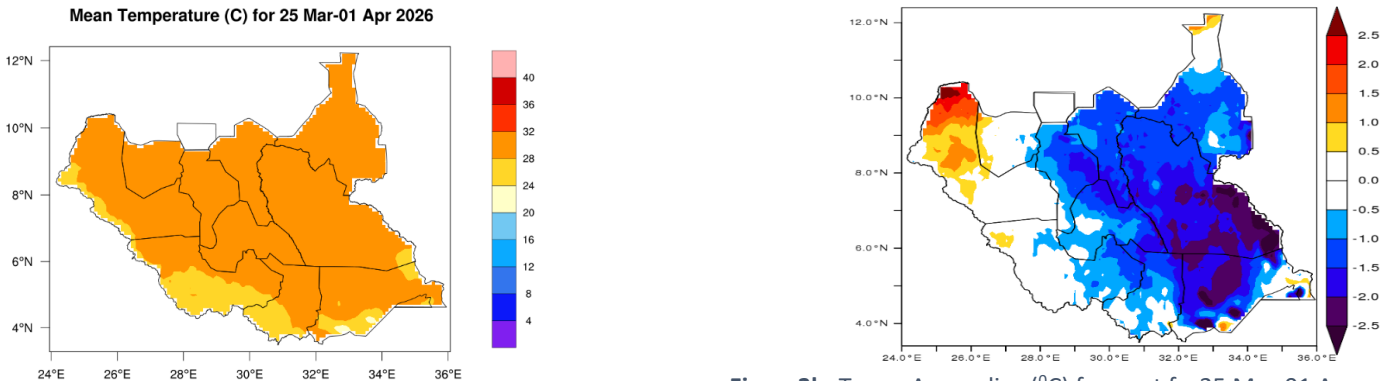


Figure 3a: Mean Temperature (°C) forecast for 25 Mar-01 Apr 2026

Figure 3b: Temp. Anomalies (°C) forecast for 25 Mar-01 Apr 2026

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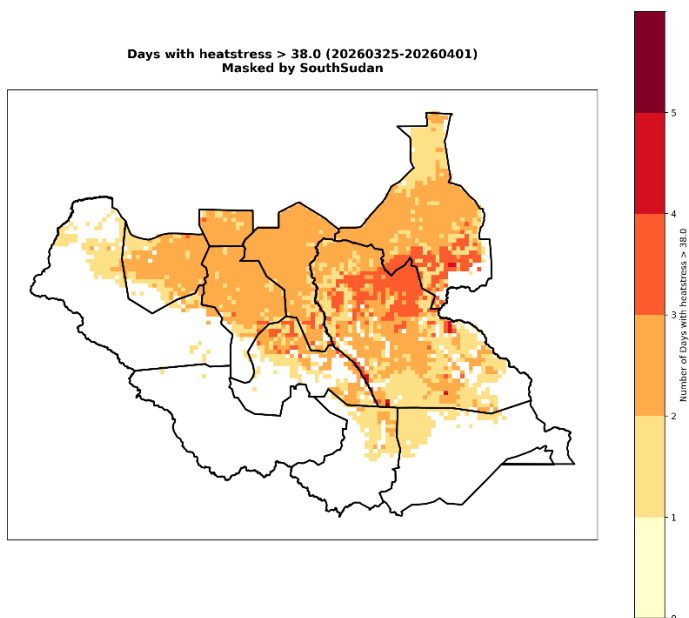


Figure3b: Day with Heat Stress Index forecast for 25 Mar-01 Apr 2026

Thus, it is recommended that the general population adopt the following safety measures:

- Reduced exposure is necessary, together with protective measures such as cooling systems and close monitoring of vulnerable groups such as children, the elderly, the physically challenged and expectant mothers.
- The average temperature is expected to be warmer; as such, you are advised to stay indoors or under trees, carry your umbrella during daytime maximums and drink water frequently.in Jonglei and Upper Nile states
- Stay updated on meteorological services advisories, especially in regions expecting hotter and drier conditions.
- Monitor weekly forecast updates from meteorological services.

Notes

The South Sudan Meteorological Service's Weekly Rainfall and Temperature Outlook and Monitoring provide concise, timely weather predictions essential for immediate planning and operational decisions across vital sectors such as agriculture, transportation, and emergency services. This forecast provides a detailed outlook on temperature variations, rainfall probabilities, and any impending severe weather conditions, enabling stakeholders to mitigate risks, plan agricultural activities more effectively, and ensure the safety of transportation routes. The weekly forecast is critical to improving community readiness and economic stability by accelerating short-term decision-making.

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