



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 22 to 28 March 2026

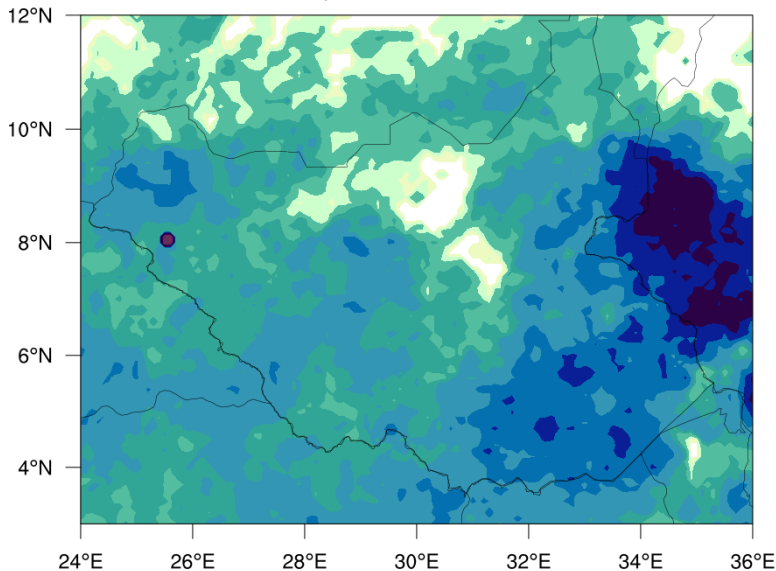
- During the past week, most parts of South Sudan were in wet conditions.

Forecast for 01- 08 April 2026

- **Moderate rainfall** (more than 50 mm) over Southwestern parts of Country.
- **Light rainfall** (less than 50 mm) is expected over all parts of South Sudan.
- Most parts of South Sudan experienced elevated temperatures of 38°C, with up to 5-8 days of heat stress from 01-08 April 2026.

Recent Rainfall and Temperature Observations

ARC2 Est Precip for 22-Mar-2026 to 28-Mar-2026



Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 22-28 March 2026

During the past week, most parts of South Sudan experienced rainfall conditions. Indicates accumulations between **(50 and 100 mm)** across South Sudan. While **less than 50 mm** is concentrated in the northern parts of Upper Nile State, most parts of Unity State, Lake State, most parts of Western Bahr el Gazal, most parts of Western Equatorial State, and eastern parts of Eastern Equatorial State (Kapoeta).

Figure 1: Past week ARC2 Estimated Rainfall(mm)

Rainfall Forecast for 01-08 April 2026

The forecast for this week (01-08 April 2026) indicates Moderate rainfall of about (50 mm to 100 mm) over most of the Unity State, Abyei Administration Area, Warrap State, Northern Bahr el Gazal State, most parts of Western Bahr el Gazal State and Western Equatoria State, 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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In terms of rainfall anomalies, the usual wet-season conditions are expected across South Sudan, with rainfall between 0 and 60 mm. However, the rainfall anomalies, the usual dry-season conditions are expected over the Central Equatorial and Eastern Equatorial States

Total Rainfall (mm) for 01-08 Apr 2026

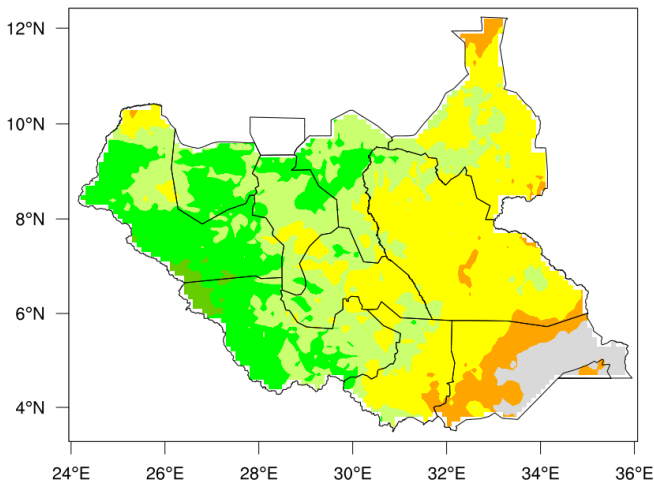


Figure 2a: Total rainfall(mm) forecast for 01-08 April 2026

Rainfall Anomalies for 01 Apr-08 Apr 2026

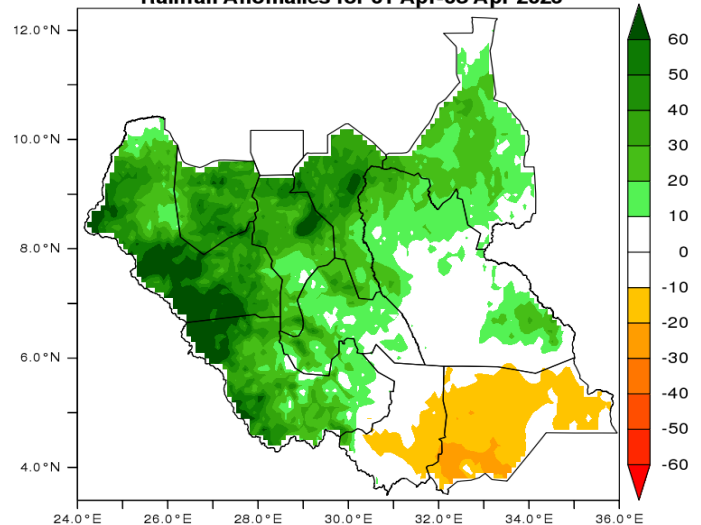


Figure 2b: Rainfall anomalies for 01-08 April 2026

Mean Temperature and Heat Stress Forecast for 01-08 April 2026

The forecast for this week (01-08 April 2026) indicates that average temperatures are above 28 °C, with actual daily maximums above 32 °C on all days, in most parts of South Sudan, while less than 32 °C in the southern parts of Western Equatorial State, Southern parts of Central Equatorial State, and South parts of Eastern Equatorial State. According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected across South Sudan, and colder-than-usual temperatures are expected over Eastern Equatorial State 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 5-8 days of heat stress from 01-08 April 2026.

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Mean Temperature (C) for 01-08 Apr 2026

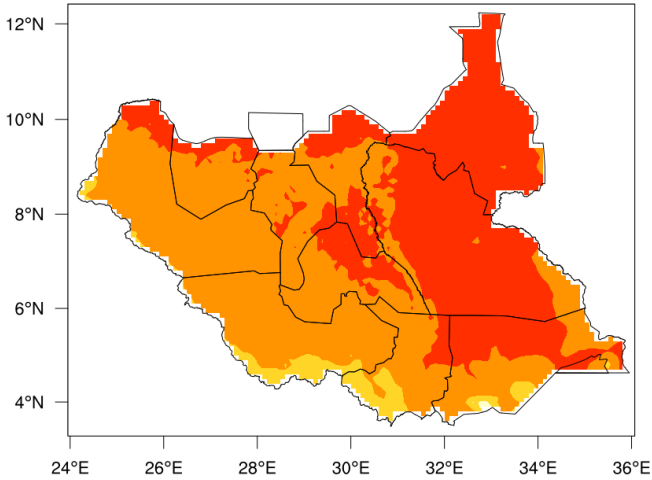


Figure 3a: Mean Temperature (°C) forecast for 01-08 Apr 2026

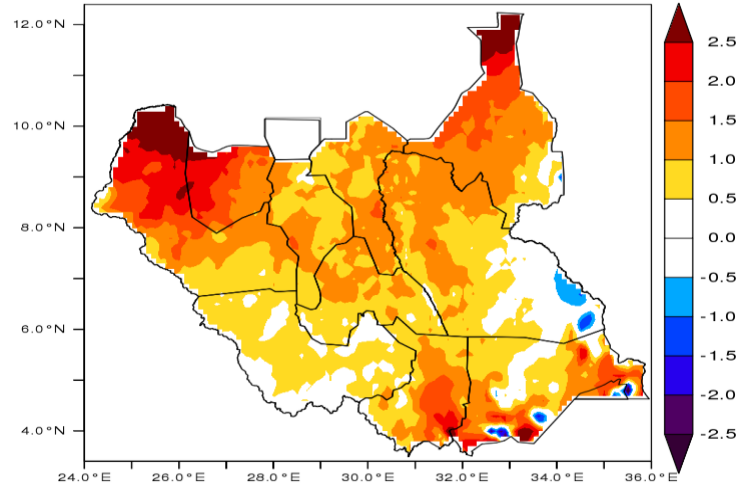


Figure3b: Temp. Anomalies (°C) forecast for 01-08 Apr 2026

Days with heatstress > 38.0 (20260401-20260408)
Masked by SouthSudan

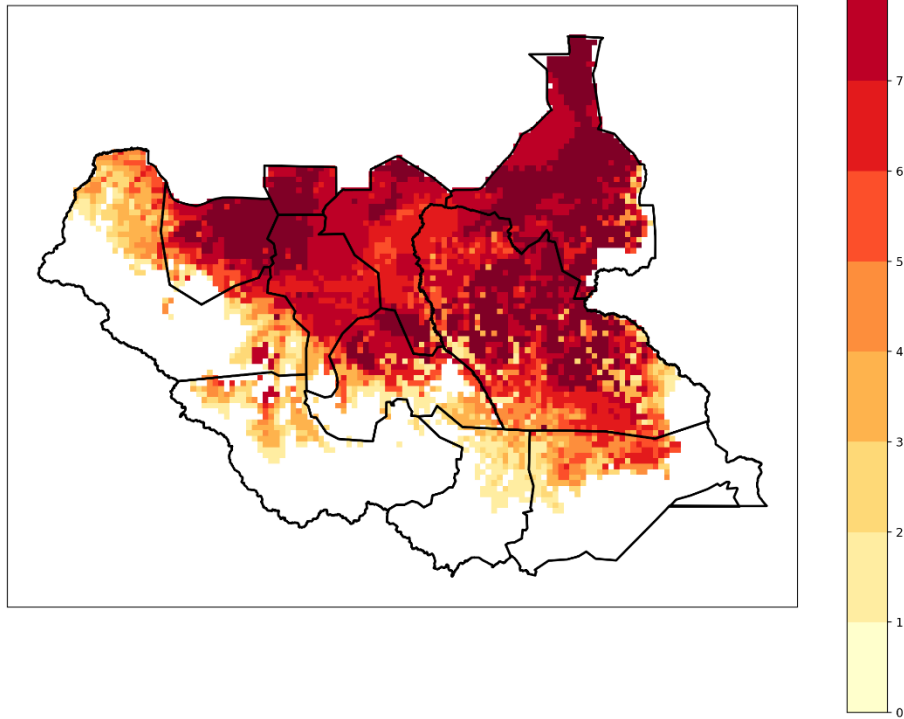


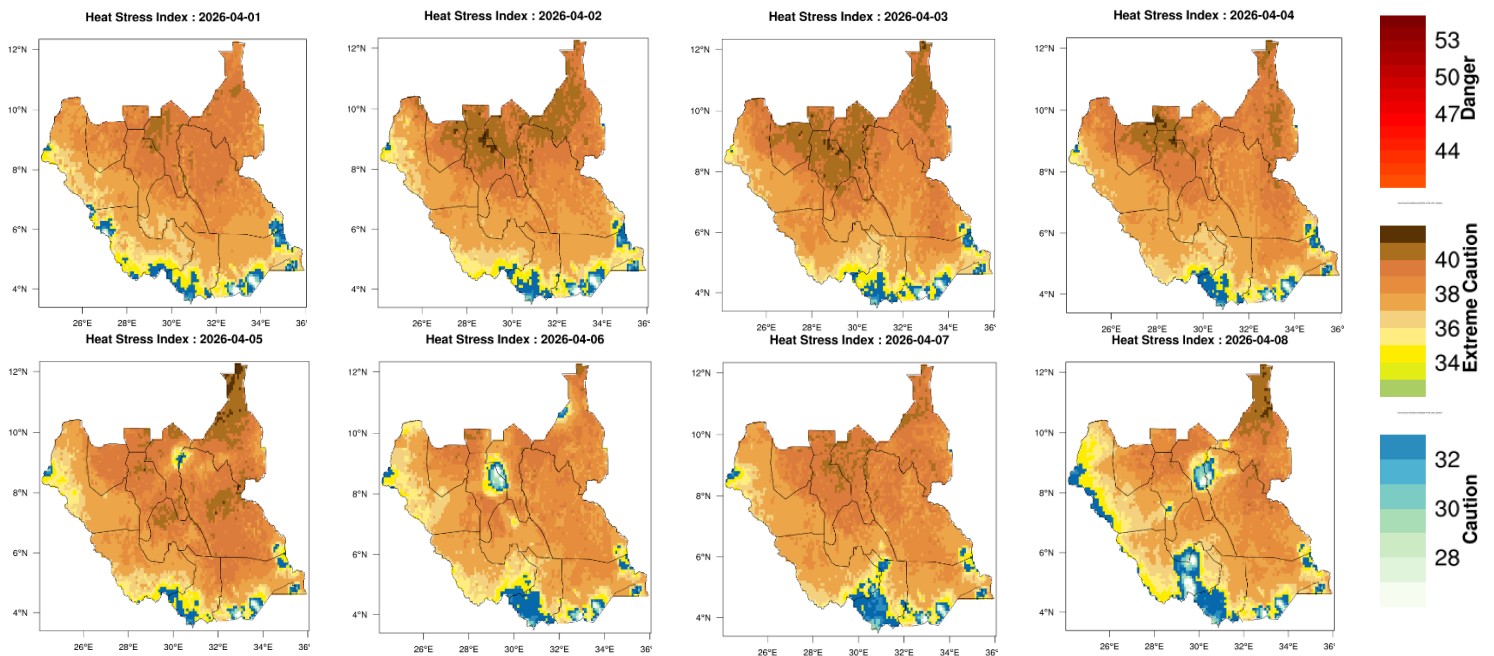
Figure3b: Day with Heat Stress Index forecast for 01-08 April 2026

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Heat Stress Index

The heat Stress index on 02, 03, 04, and 05 April 2026 is expected to reach the most serious warning level, with temperatures exceeding 40 °C, necessitating immediate action in Warrap State and the Abyei Administration Area, and in the northern parts of the Upper Nile State.



According to the Heat Stress index, we have three levels of head wave (Caution, Extreme Caution and Danger)

The Legend is a light blue to blue colour representing Caution it indicates a moderate level of risk, which means there are potential risks ahead that you should be aware of or a warning to proceed with care and stay alert.

The second was Extreme Caution implies a higher level of risk compared with the first one (Caution), It suggests that the situation is more dangerous or precarious and requires heightened awareness and vigilance.

The last indicated by red colour was Danger, it is the most serious level of warning, indicating an imminent threat or hazard that poses a significant risk to safety or life. It signals that immediate action is necessary to avoid injury or harm.



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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.
- 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.