



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 26 Jul- 2 Aug 2026
During the past week, most parts of South Sudan were in wet conditions.
Heavy rainfall, more than 100 mm was observed over western Raja in Western Bahr el Gazal state

Forecast for 05-12 August 2026
Heavy rainfall amount more than 200 mm are forecast over Southeastern Torit in Eastern Equatoria State and Southern Ibba in Western Equatoria State

Recent Rainfall and Temperature Observations

ARC2 Est Precip for 26-July to 02 August 2026

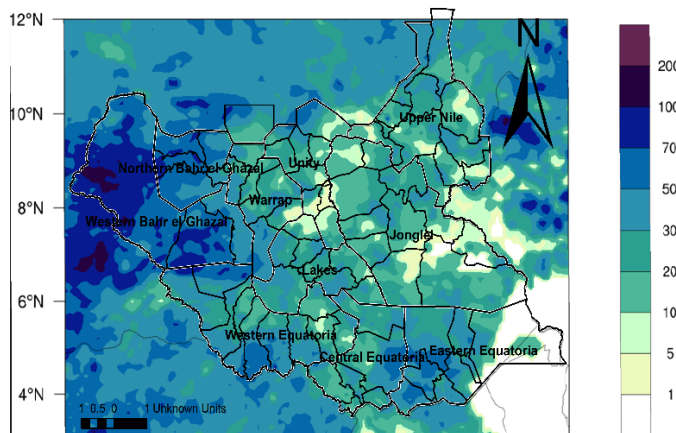


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 26 July to 02 August 2026

Over the past week, most parts of South Sudan experienced rainfall. Indicates accumulations of highest rainfall more than 100 mm over western Raja in Western Bahr el Gazal state, moderate rainfall between 50 and 100 mm over Kapoeta north, Lafon, Torit, Ikotos, Mogwi in Eastern Equatoria state, Juba & Yei in Central Equatoria State, Maridi, Ibba, Nagreo in Western Equatoria State, and Wau & most parts of Raja in Western Bahr el Gazal state, while less than 50 mm is concentrated in most parts' country. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 05-12 August 2026

The forecast for this week (05-12 August 2026) indicates Heavy rainfall of more than 200 mm over southeastern Torit in Eastern Equatoria State, and Southern Ibba in Western Equatoria State. Moderate rainfall of about 100-200 mm is expected over most parts of the Country.

Light rainfall (less than 50 mm) is expected over most parts of Eastern Equatorial, Pibor Administration Area, Akobo & Pachalla in Jonglei State, northern parts of Juba & Eastern parts of Terekaka counties in Central Equatoria State and some part of Raja in Western Bahr el Gazal State.

In terms of rainfall anomalies, the usual dry-season conditions are expected across South Sudan, However, rainfall anomalies, usual wet-season conditions are expected over Lafon in Eastern Equatorial, Anzara, Yambio, Ibba and Maridi in Western Equatorial State, most counties in

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Northern Bahr el Gazal State, Abyei Administrative Area, Wulu county in Lake Stat, most part of Unity State, Rawang Administrative Area and most counties in Upper Nile State.

Total Rainfall (mm) for 05-12 August 2026

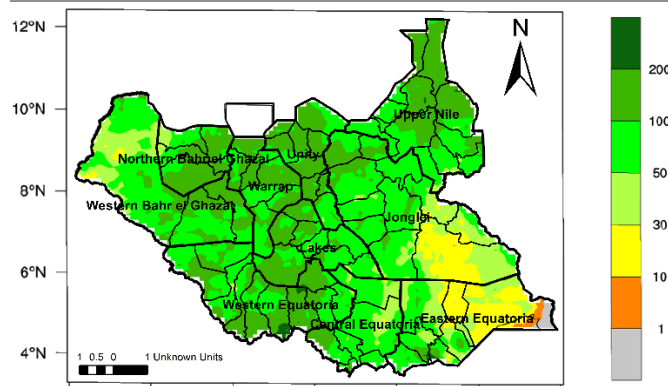


Figure 2a: Total rainfall(mm) forecast for 05-12 Aug 2026

Rainfall Anomalies for 05-12 August 2026

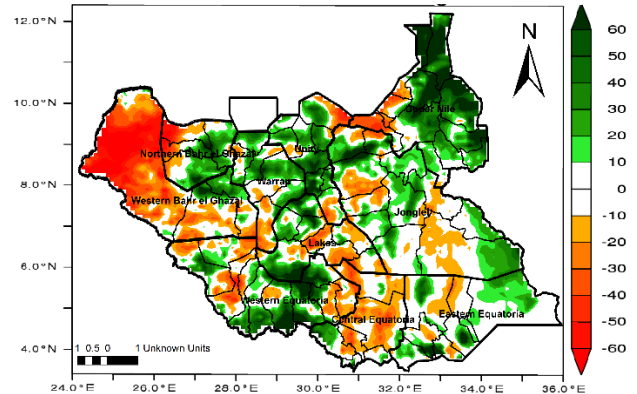


Figure2b: Rainfall anomalies for 05-12 Aug 2026

Mean Temperature Forecast for 05 to 12 August 2026

The forecast for this week (05 to 12 August 2026) indicates that average temperatures are below 28 °C in most parts of South Sudan. However, that average temperature is more than 28 °C Kapoeta East & North in Eastern Equatorial, and most parts of Greater Pibor Administration Area

According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected across South Sudan this week (05 to 12 August 2026).

Mean Temperature (C) for 05 -12 August 2026

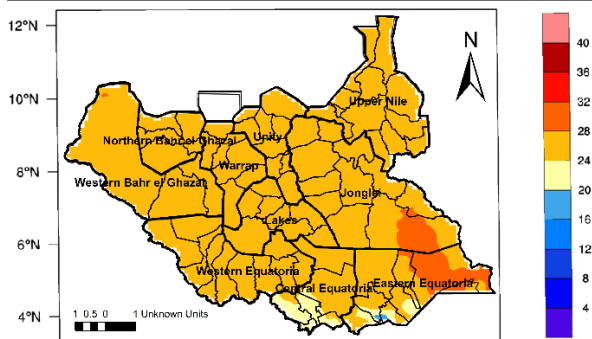


Figure 3a: Mean Temperature (°C) forecast 05-12/8/2026

Mean Temperature Anomalies for 05-12 August 2026

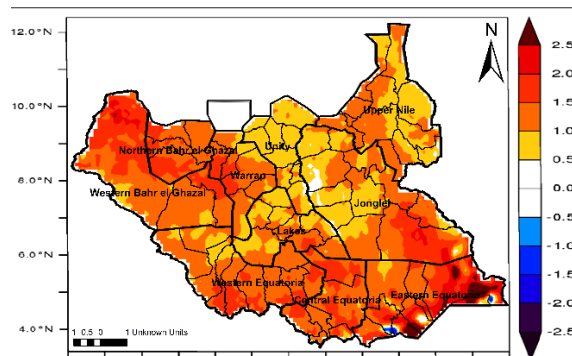


Figure3b: Temp. Anomalies (°C) forecast 05-12/8/2026

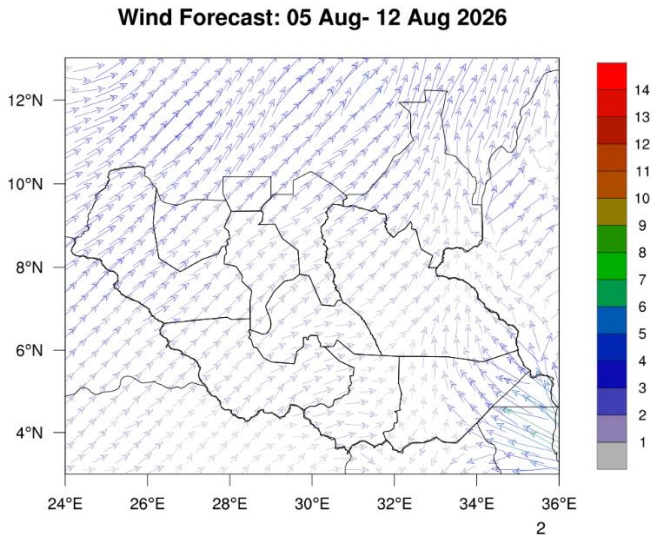
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Wind (Direction and Speed) Forecast for 05-12 August 2026



The forecast for this week (05-12 August 2026) is expected to experience predominantly light to moderate southwesterly winds (2–6 m/s), with relatively stronger winds of up to 10 m/s over parts of Eastern Equatoria. These winds are expected to enhance moisture transport into the country, supporting rainfall activity across many areas, while localized stronger gusts may occur in association with thunderstorms.

Heat Stress Index Forecast for 05-12 August 2026

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.

Alerts: the above heat Stress index image for next week is expected to be the most serious level of warning, and immediate action is necessary, for certain days and locations as follows:

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On the 05, 06, 07, 11, and 12 August 2026, over Jonglei State, Upper Nile, Unity State, Abyei Administration Area, Warrap State, and Northern Bahr el Gazal State.

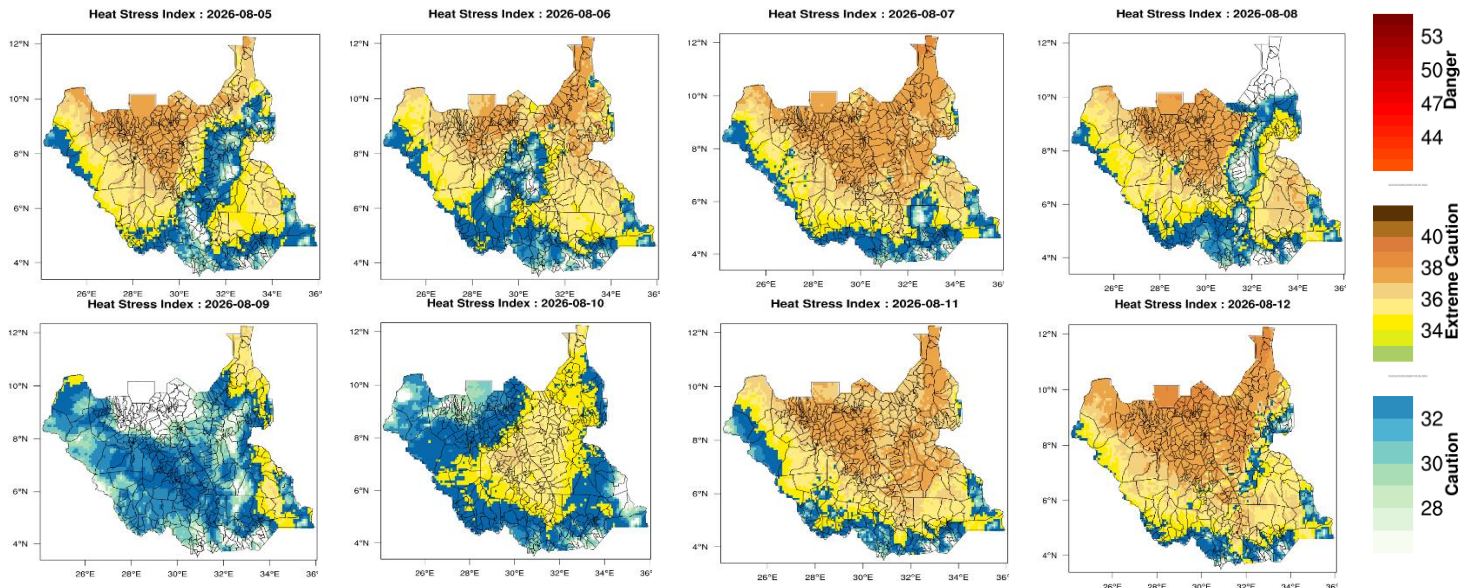


Figure 5: Heat Stress Index forecast for 05-12 August 2026

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

- Reduced exposure is necessary, along with protective measures such as cooling systems and close monitoring of vulnerable groups, including children, the elderly, people with physical disabilities, 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 service advisories, especially in regions expecting hotter, 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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