



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 01-08 August 2026

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

Heavy rainfall, more than 100 mm was observed southern part of Torit in Eastern Equatoria, and northern each of Manyo & El Renk in Upper Nile State.

Forecast for 12-19 August 2026

Heavy rainfall amount more than 200 mm are forecast over counties in **Southern and Western parts of South Sudan.**

Recent Rainfall and Temperature Observations

ARC2 Est Precipitation for 01-08 August 2026

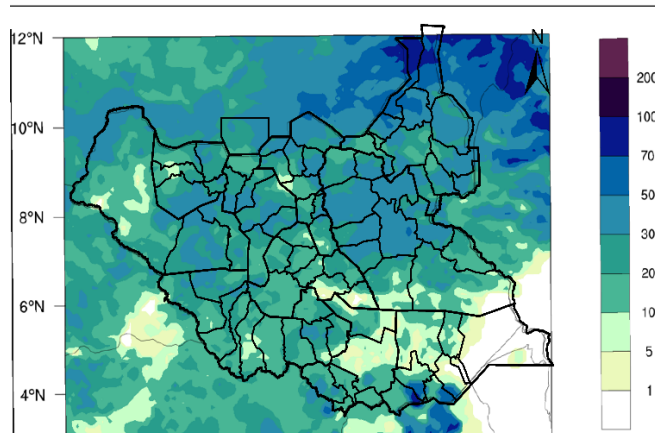


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 01-08 August 2026

Over the past week, most parts of South Sudan experienced rainfall.

Indicates accumulations of highest rainfall more than 100 mm over southern part of Torit in Eastern Equatoria, and northern each of Manyo & El Renk in Upper Nile State, moderate rainfall between 50 and 100 mm over southeast of Ikotos, southern parts of Torit in Eastern Equatoria state, southern Juba & some parts of Yei in Central Equatoria State, central parts of Maridi east, Nagreo, northern of Tambura in Western Equatoria State, and Wau & northern parts of Raja in Western Bahr el Gazal state, southern parts of Aweil center in Northern Bahr el Gazal State, Abyei Administrative Area, Rubkona, Pariang, Guit, Fashoda, Canal/Pegi, Maban, Balliet, Maiwut in Upper Nile State, Ayod, Duk, Nyirol, Urur, Akobo, Duk, Twic East in Jonglei State, while less than 50 mm is concentrated in most parts' country. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 12-19 August 2026

The forecast for this week (12-19 August 2026) indicates Heavy rainfall of more than 200 mm over southern parts of Torit in Eastern Equatoria State, Nagero, & northern parts of Tambura in Western Equatoria State, most parts of Wau & central parts of Raja County in Western Bahr el Gazal State, Southern parts of Aweil center in Northern Bahr el Gazal State, and central parts of Rubkona in Unity State. Moderate rainfall of about 100-200 mm is expected over most parts of the Country.

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Light rainfall (less than 50 mm) is expected over most parts of Eastern Equatorial, Pibor Administration Area, and Akobo& Pachalla in Jonglei State.

In terms of rainfall anomalies, the usual wet-season conditions are expected across South Sudan, However, rainfall anomalies, usual dry-season conditions are expected over eastern parts of Lafon, Budi, Greter Kapoeta counties in Eastern Equatorial, southeastern Juba county in Central Equatoria State, northern parts of Ibba, Anzara, central parts of Ezo counties in Western Equatorial State, Rumbek east, Yirol east& west, Wulu counties in Lake State, Akobo & Pachalla in Jonglei State, and Greater Pibor Administrative Area.

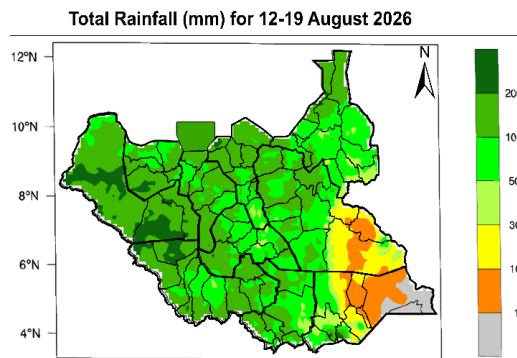


Figure 2a: Total rainfall(mm) forecast for 12-19 Aug 2026

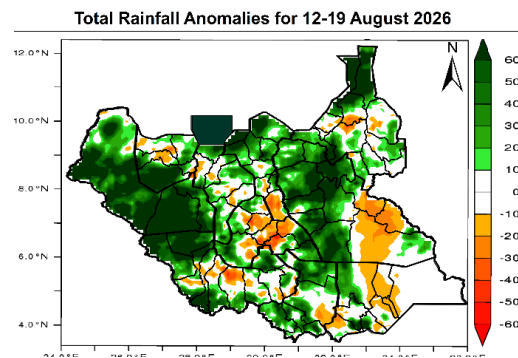


Figure 2b: Rainfall anomalies for 12-19 Aug 2026

Mean Temperature Forecast for 12 to 19 August 2026

The forecast for this week (12 to 19 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, most parts of Greater Pibor Administration Area, Northern parts of El Renk in Upper Nile State.

According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected across South Sudan this week (12 to 19 August 2026).

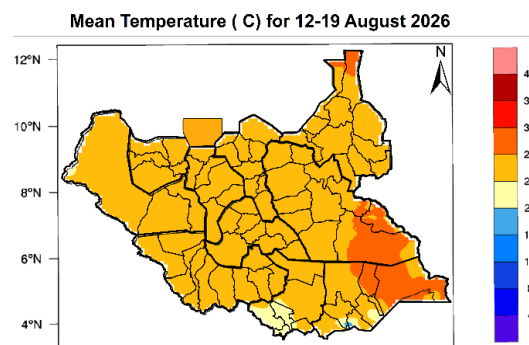


Figure 3a: Mean Temperature (°C) forecast 12-19/8/2026

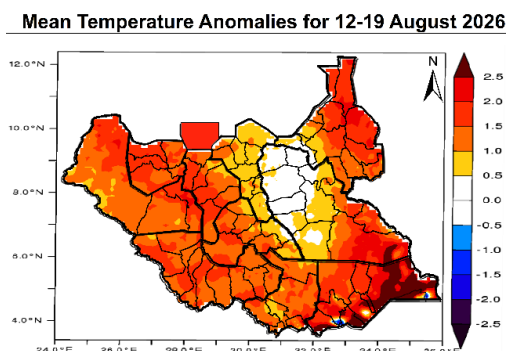


Figure 3b: Temp. Anomalies (°C) forecast 12-19/8/2026

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Wind (Direction and Speed) Forecast for 12-19 August 2026

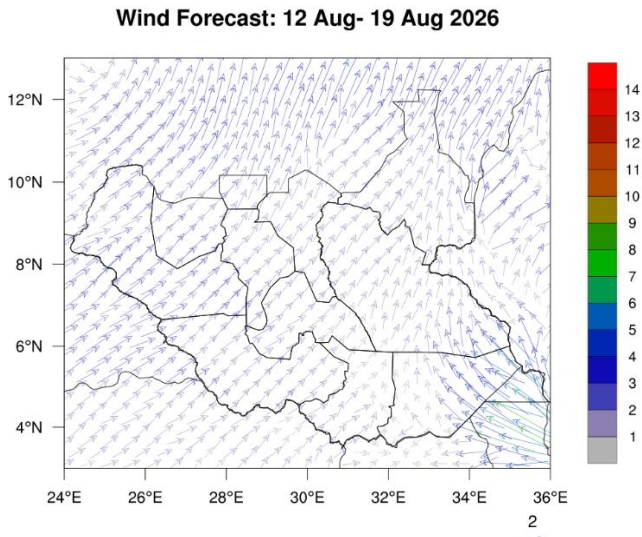


Figure 4: Wind (Direction & Speed) forecast 12-19/8/2026

The forecast for this week (12 to 19 August 2026) is expected to experience predominantly light to moderate southwesterly winds (2–4m/s), with relatively stronger winds of up to 08 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 12 to 19 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 Extreme Caution level of warning, for certain days and locations as follows:

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On the 13, 16, 17 and 19 August 2026, over Northern parts of Jonglei State, Upper Nile, Unity State, Abyei Administration Area, Warrap State, and Northern Bahr el Gazal State.

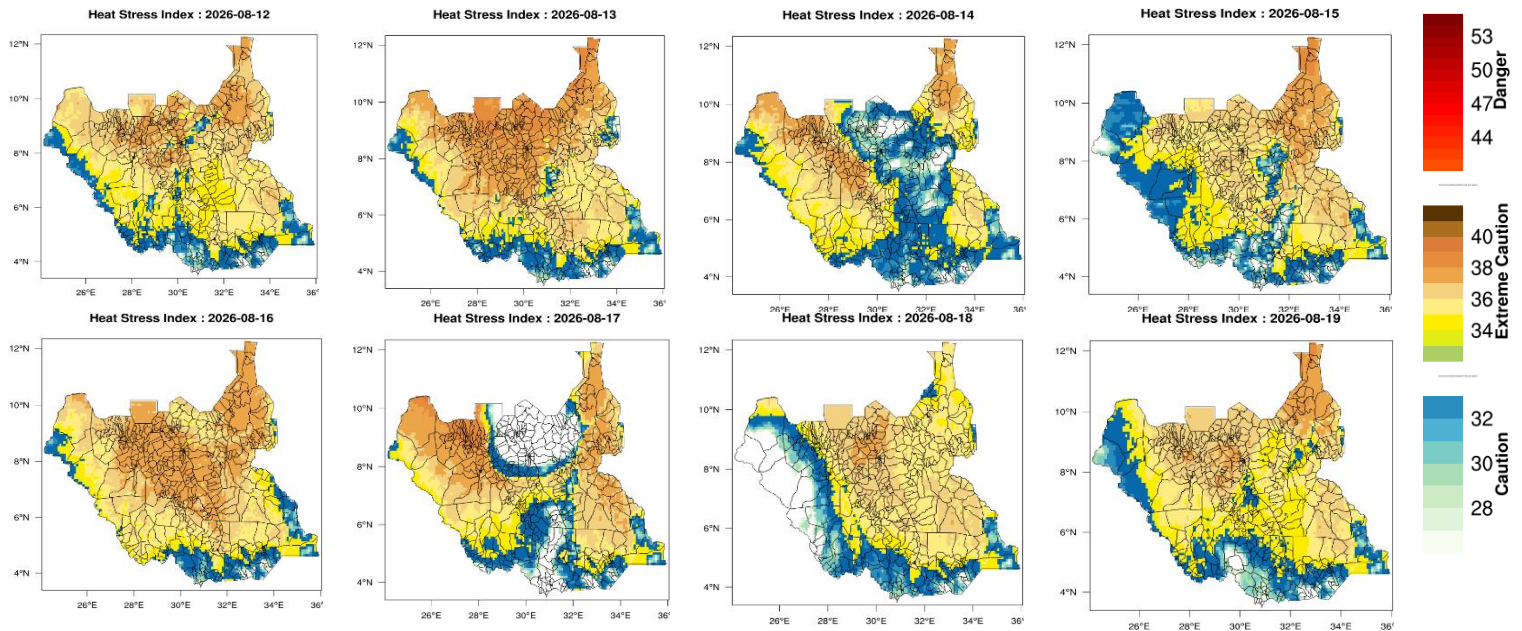


Figure 5: Heat Stress Index forecast for 12-19 August 2026

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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