



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 04 -11 July 2026

- **During the past week**, most parts of South Sudan were in wet conditions.
- **Heavy rainfall**, more than 70 mm was observed over Southern of Central Equatoria (Yei), Western Equatoria State, Western Bahr el Gazal State, Western Northern Bhar el Gazal State, and Warrap State

Forecast for 15 to 22 July 2026

- **Heavy rainfall** amount more than 100 mm are forecast over most parts of the South Sudan. Except Eastern Equatoria, Pibor and Jonglei and Upper Nile State.
- **The 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.

Recent Rainfall and Temperature Observations

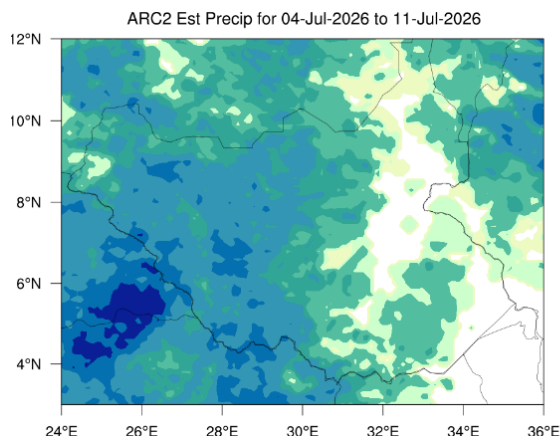


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 04 to 11 July 2026

Over the past week, most parts of South Sudan experienced rainfall. Indicates accumulations of moderate rainfall between 50 and 70 mm over Southern of Central Equatoria (Yei), Western Equatoria State, Western Bahr el Gazal State, Western Northern Bhar el Gazal State, and Warrap State. While less than 50 mm is concentrated in most parts of the country. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 15 to 22 July 2026

The forecast for this week (15 to 22 July 2026) indicates Heavy rainfall of more than 100 mm over most parts of Western Equatoria State, southwestern parts of Lake State, Southern parts of Warrap, most parts of Western Bahr el Gazal State, some parts of Northern Bahr el Gazal State, and some parts of Warrap State. Moderate rainfall of about 50-100 mm is expected over most parts of the Country. Light rainfall (less than 50 mm) is expected over most parts of Eastern Equatoria, Pibor Administration Area, Jonglei State, most parts of Upper Nile State and some parts of Unity State.

In terms of rainfall anomalies, the usual wet-season conditions are expected over Southern parts of Central Equatorial State, most parts of Western Equatorial State, some part of Western Bhar el Gazal State, and most parts of Warrap State. However, rainfall anomalies, usual dry-season conditions are expected across South Sudan.

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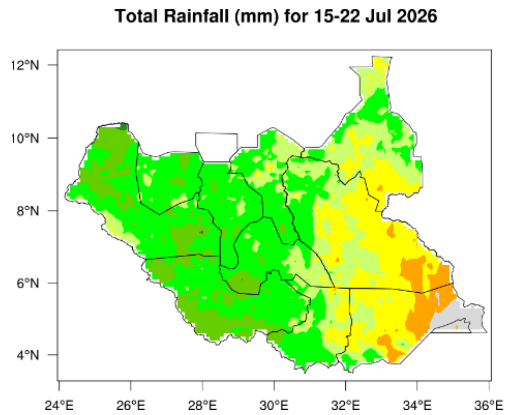


Figure 2a: Total rainfall(mm) forecast for 15 to 22 July 2026

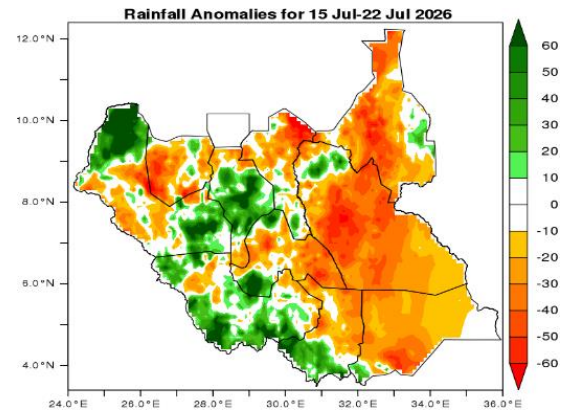


Figure 2b: Rainfall anomalies for 15 to 22 July 2026

Mean Temperature and Days with Heat Stress Forecast for 15 to 22 July 2026

The forecast for this week (15 to 22 July 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 in Eastern Equatorial, Pibor Administration Area, most part of Jonglei State, central & Northern parts of Upper Nile State and Northern parts of Unity State.

According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected across South Sudan this week (15 to 22 July 2026).

Based on the heat index in Figure 3c, forecasts indicate how many days each week the heat index falls into the extreme caution category. Show that over El Renk in Northern parts of Upper Nile State, experienced elevated temperatures of 38°C, which will cause heat stress, with up to 1-2 days of heat stress from 15 to 22 July 2026.

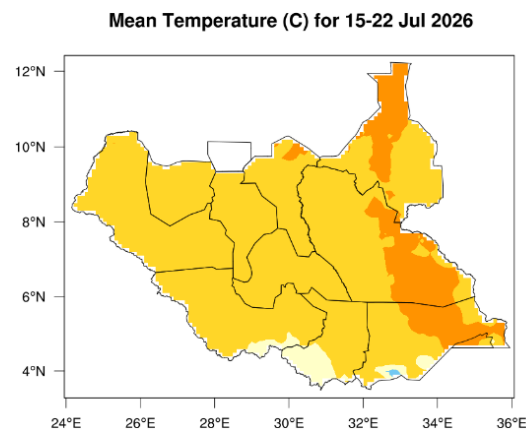


Figure 3a: Mean Temperature (°C) forecast for 15-22 July 2026

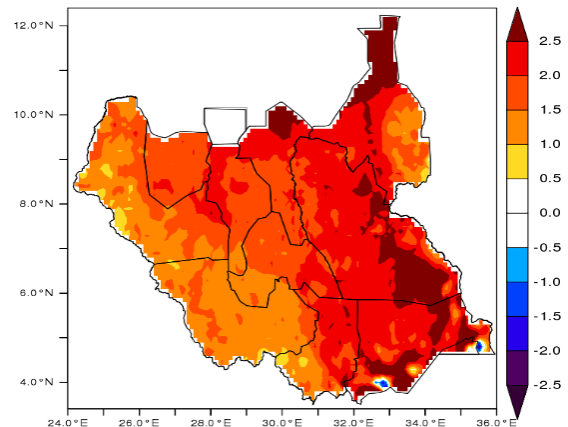


Figure 3b: Temp. Anomalies (°C) forecast for 15-22 July 2026

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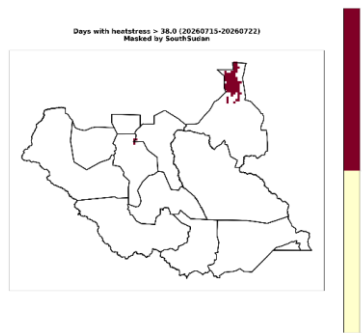
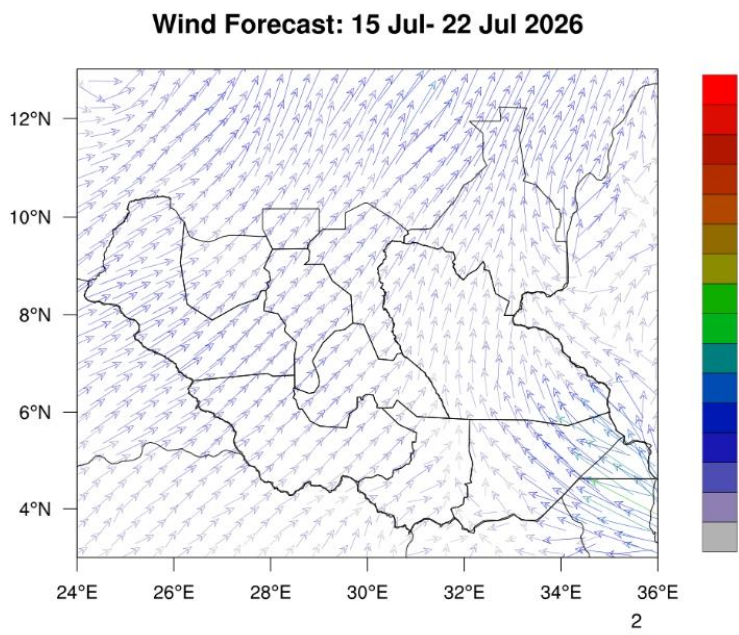


Figure3b: Day with Heat Stress Index forecast for 15 - 22 July 2026

Wind (Direction and Speed) Forecast for 15 to 22 July 2026



The forecast for this week (15 to 22 July 2026) is expected to experience predominantly light to moderate southwesterly winds (2–8 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.

Figure 4: Wind (Direction & Speed) forecast for 01 to 08 July 2026

Heat Stress Index Forecast for 15 to 22 July 2026

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

Important Note: The heat Stress index image for next week is expected to be at the most serious warning level, and immediate action is necessary. It will be as follows:

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- On 16 July 2026, over Northern parts of Upper Nile (El Renk)

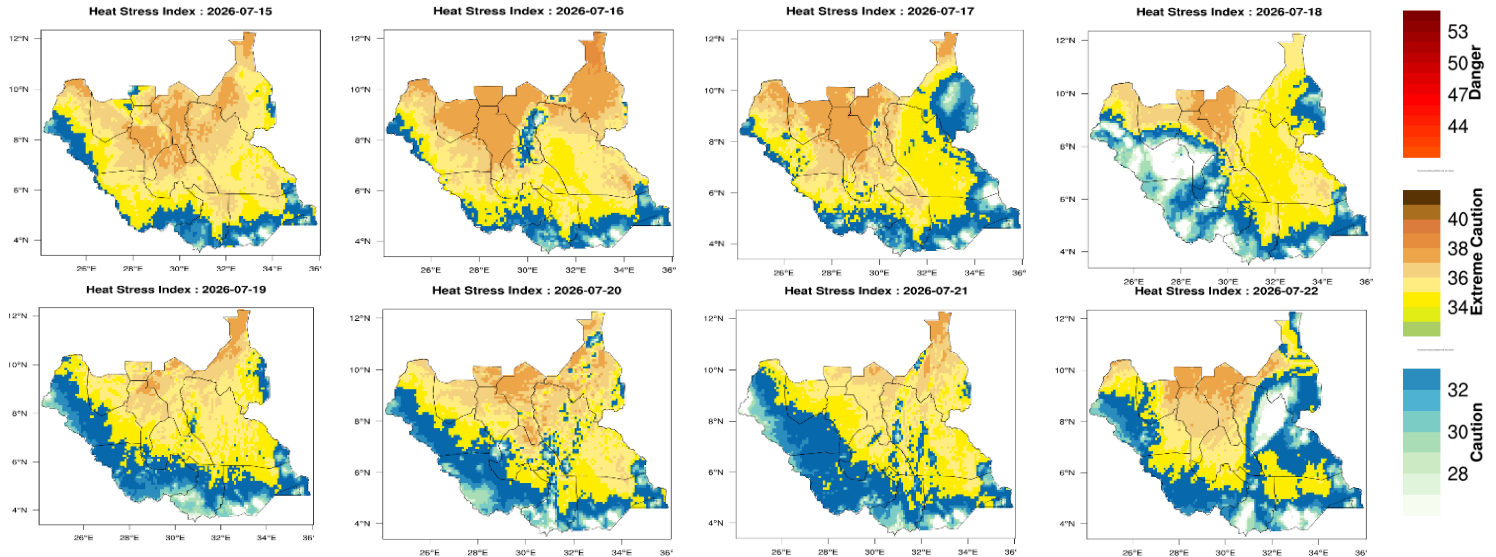


Figure 5: Heat Stress Index forecast for 15 to 22 July 2026

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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