



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

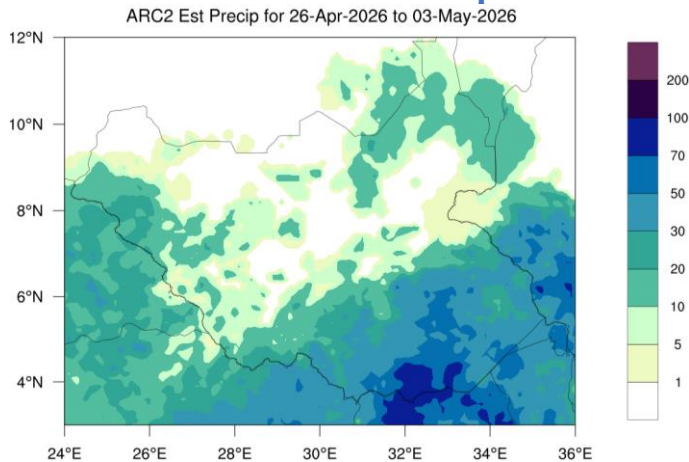
Last week's weather review: 26 April-3 May 2026

- **During the past week**, most parts of South Sudan were in wet conditions.
- **Moderate rainfall**, more than 70 mm was observed over Yei River County and Southern parts Juba county in Central Equatorial State.

Forecast for 06 to 13 May 2026

- **Moderate rainfall** (more than 50 mm) over most parts of the South Sudan.
- **The Heat Stress Index** on 06, 07 and 13 May 2026 is expected to reach the most serious warning level, with temperatures exceeding 40 °C, necessitating immediate action over most states of South Sudan.

Recent Rainfall and Temperature Observations



Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 26 April to 03 May 2026

Over the past week, most parts of South Sudan experienced rainfall. Indicates accumulations between **(50 and 100 mm)** over Eastern parts of Western Equatorial State, Central Equatorial, Eastern Equatorial, Pibor Administration Area, and Southern parts of Jonglei State. While **less than 50 mm** is concentrated in most parts of the country. Using ARC2 Estimated Rainfall scripts.

Figure 1: Past week ARC2 Estimated Rainfall(mm)

Rainfall Forecast for 06- 13 May 2026

The forecast for this week (06- 13 May 2026) indicates **Moderate rainfall** of about 50 mm to 100 mm over the Western Equatorial State, Central Equatorial State, Western parts of Eastern Equatorial State, Southeastern parts of Pibor Administration Area, Central parts of Jonglei State Southern parts of Unity State, Northern parts of Lake State, Southern parts of Warrap State, and southern parts of Western Bahr el Gazal State. While **Light rainfall** (less than 50 mm) is expected over most parts of the Country.

In terms of rainfall anomalies, the usual dry-season conditions are expected across South Sudan, with rainfall less than 10 mm. However, the rainfall anomalies, the usual wet-season conditions

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are expected over some parts of the Western Equatorial State, Central Equatorial State, Western parts of Eastern Equatorial State, Southeastern parts of Pibor Administration Area, Central parts of Jonglei State, Southern parts of Unity State, Northern parts of Lake State, Southern parts of Warrap State, and southern parts of Western Bahr el Gazal State.

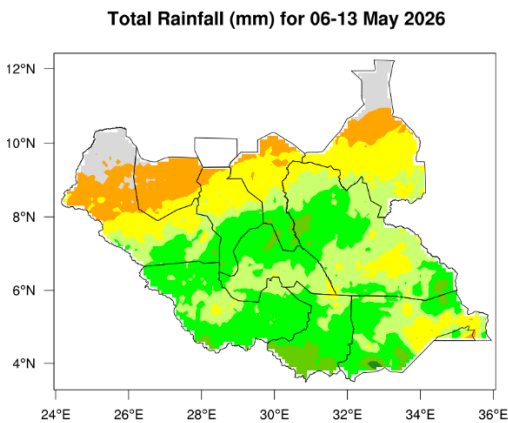


Figure 2a: Total rainfall(mm) forecast for 06-13 May 2026

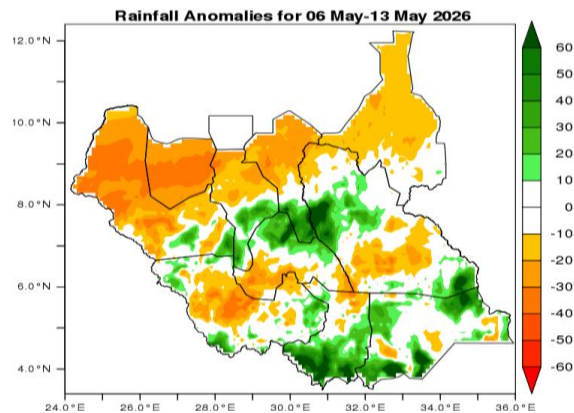


Figure 2b: Rainfall anomalies for 06-13 May 2026

Mean Temperature and Days with Heat Stress Forecast for 06-13 May 2026

The forecast for this week (06 -13 May 2026) indicates that average temperatures are below 32 °C in most parts of South Sudan, while remaining above 32 °C in the central & northern parts of Upper Nile State, northern parts of Unity State, Abyei Administration Area, northern parts of the Northern Bahr el Gazal State and Northern parts of Western Bahr el Gazal State.

According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected across South Sudan this week (06-13 May 2026). expect the central parts of Jonglei, and some parts of the Eastern Equatorial State.

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 3-7 days of heat stress from 06-13 May 2026.



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Mean Temperature (C) for 06-13 May 2026

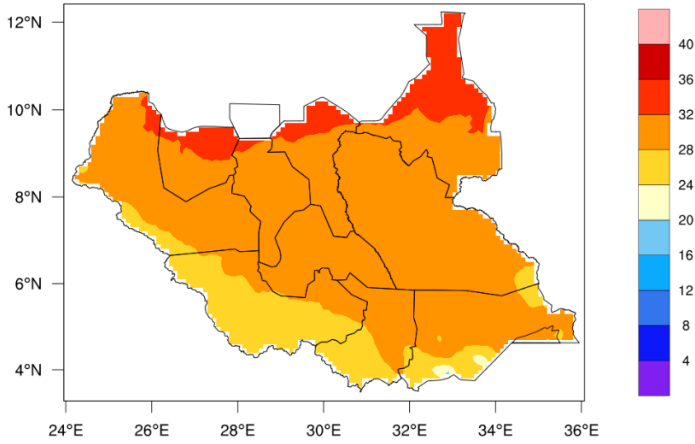


Figure 3a: Mean Temperature (°C) forecast for 06-13 May 2026

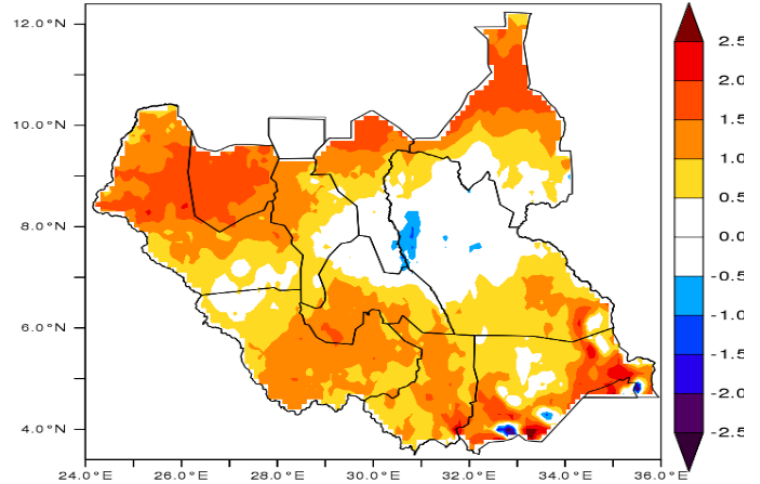


Figure3b: Temp. Anomalies (°C) forecast for 06-13 May 2026

Days with heatstress > 38.0 (20260506-20260513)
Masked by SouthSudan

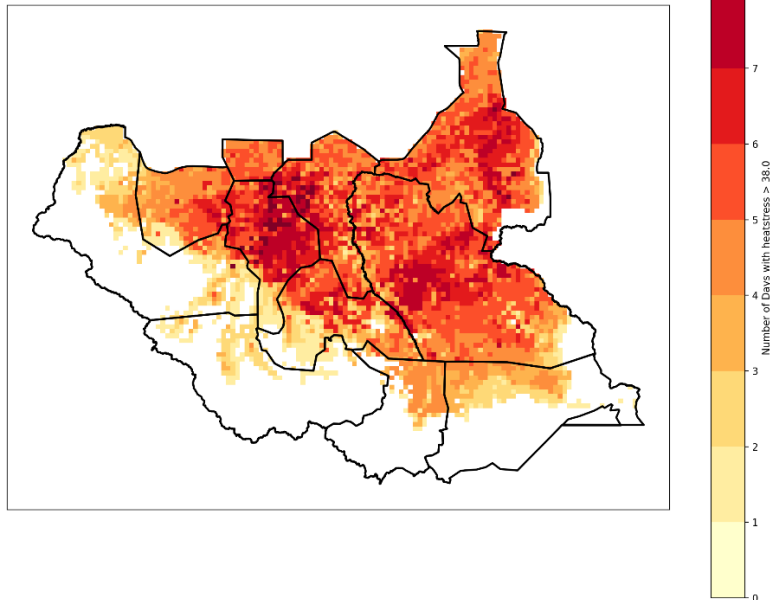


Figure3b: Day with Heat Stress Index forecast for 06-13 May 2026

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Heat Stress Index Forecast for 06-13 May 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 is 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.

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

- On 06 May 2026, over Central & Northern Upper Nile, Central parts of Unity State, Abyei Administration Area, Warrap State, and Northern Bahr el Gazal State.
- On 07 May 2026, over Upper Nile, Unity State, Abyei Administration Area, Warrap State, and Northern Bahr el Gazal State.
- On 13 May 2026, over Jonglei State, Upper Nile, Unity State, Abyei Administration Area, Warrap State, and Northern Bahr el Gazal State.

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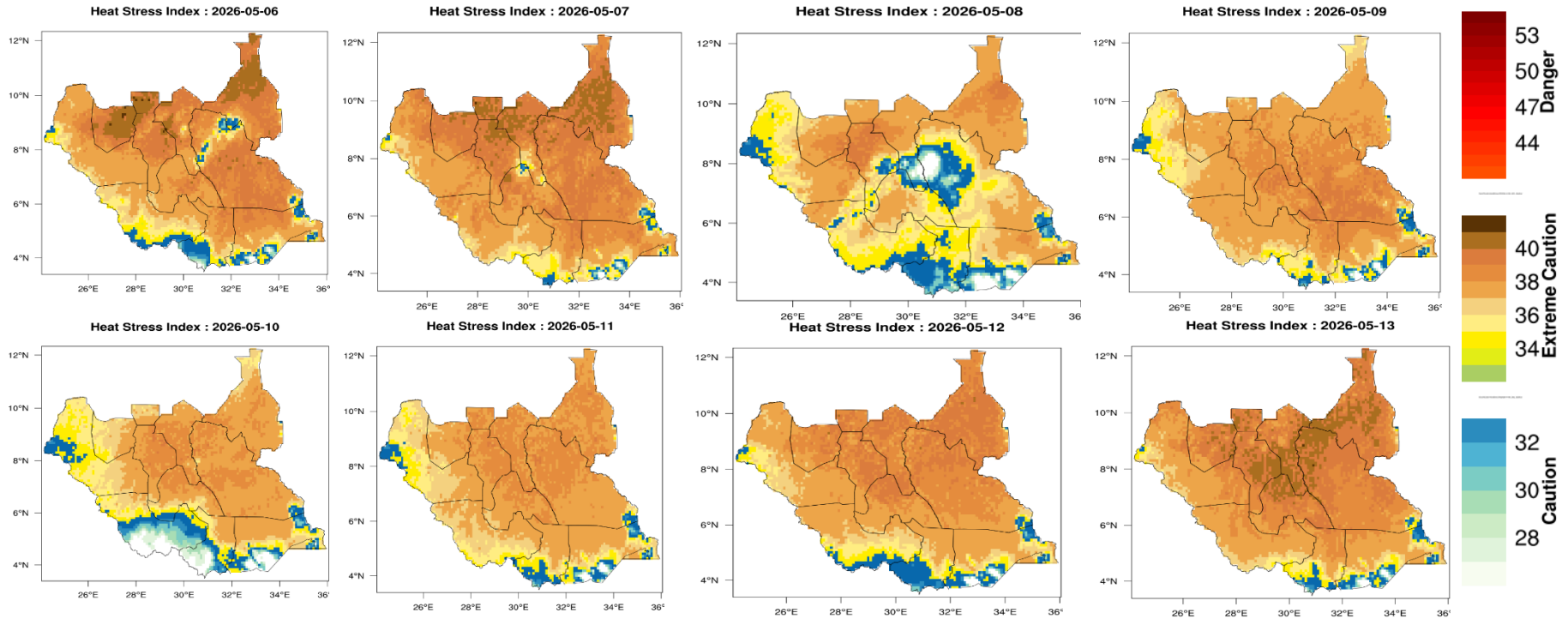


Figure 4: Heat Stress Index forecast for 06-13 May 2026

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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, including 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 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.