



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review:05-11 April 2026

- **During the past week**, most parts of South Sudan were in wet conditions.
- **Moderate rainfall**, ranging from 50mm to 100 mm was observed over Western Equatorial State, Southern parts of Central Equatorial, Northern parts of Jonglei State, Warrap State, Southern parts of Western Bahr el Gazal State.

Forecast for 15-22 April 2026

- **Moderate rainfall** (more than 50 mm) over Southern parts of Western Equatorial State.
- **The Heat Stress Index** on 17,18,19, 20,21, and 22 April 2026 is expected to reach the most serious warning level, with temperatures exceeding 40 °C, necessitating immediate action over most state of South Sudan.

Recent Rainfall and Temperature Observations

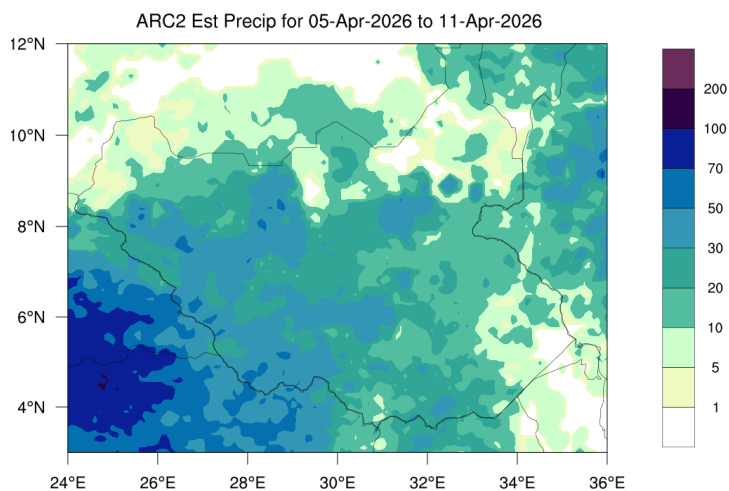


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 05 to 11 April 2026

During the past week, most parts of South Sudan experienced rainfall conditions. Indicates accumulations between **(50 and 100 mm)** over Western Equatorial State, Southern parts of Central Equatorial, Northern parts of Jonglei State, Warrap State, Southern parts of Western Bahr el Gazal State. While **less than 50 mm** is concentrated in most parts of the country. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 15-22 April 2026

The forecast for this week (15-22 April 2026) indicates **Moderate rainfall** of about 50 mm to 100 mm over the Southern parts of Western Equatorial State. While Light rainfall (less than 30 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 are expected over the western parts of the Western Bahr el Gazal State.

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

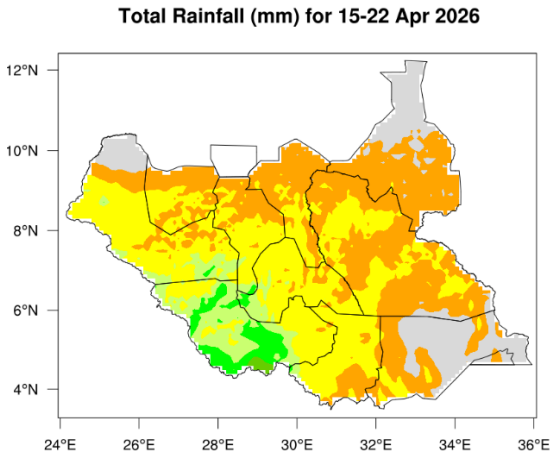


Figure 2a: Total rainfall(mm) forecast for 15-22 April 2026

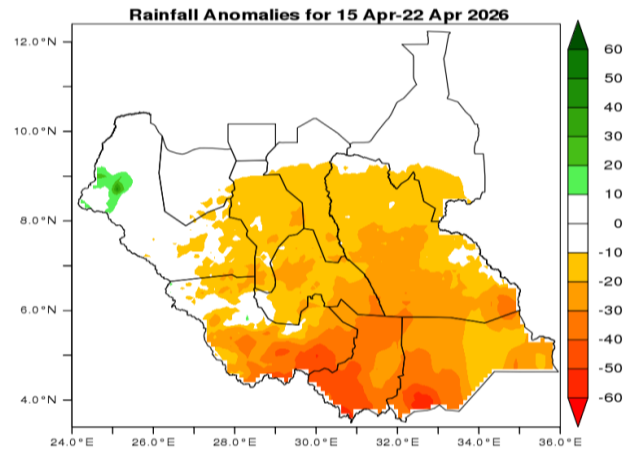


Figure2b: Rainfall anomalies for 15-22 April 2026

Mean Temperature and Days with Heat Stress Forecast for 15-22 April 2026

The forecast for this week (15-22 April 2026) indicates that average temperatures are above 32 °C in most parts of South Sudan, while remaining below 32 °C in the southern parts of Eastern Equatorial State.

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

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 4-8 days of heat stress from 15-22 April 2026.

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Mean Temperature (C) for 15-22 Apr 2026

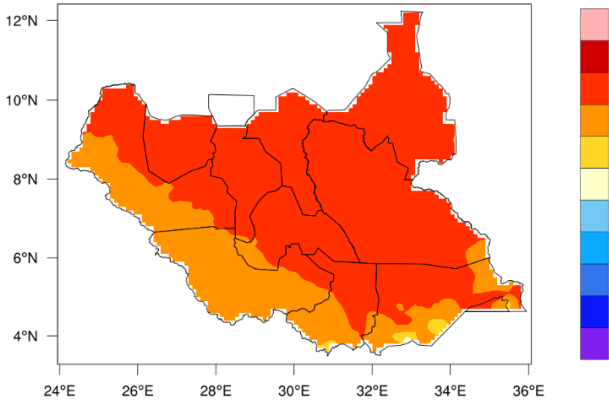


Figure 3a: Mean Temperature ($^{\circ}\text{C}$) forecast for 15-22 Apr 2026

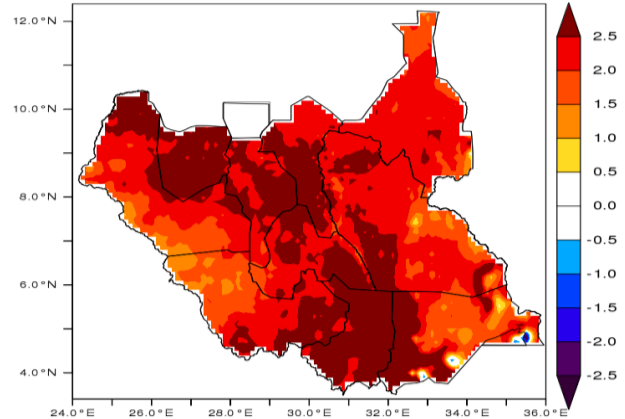


Figure3b: Temp. Anomalies ($^{\circ}\text{C}$) forecast for 15-22 Apr 2026

Days with heatstress > 38.0 (20260415-20260422)
Masked by SouthSudan

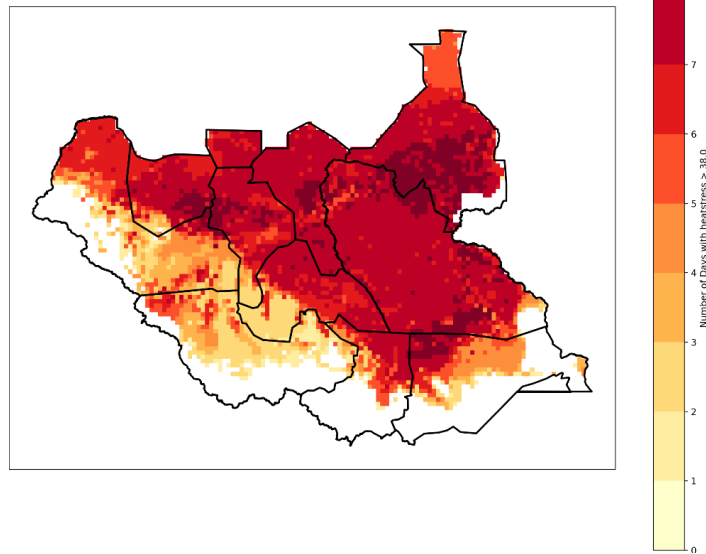
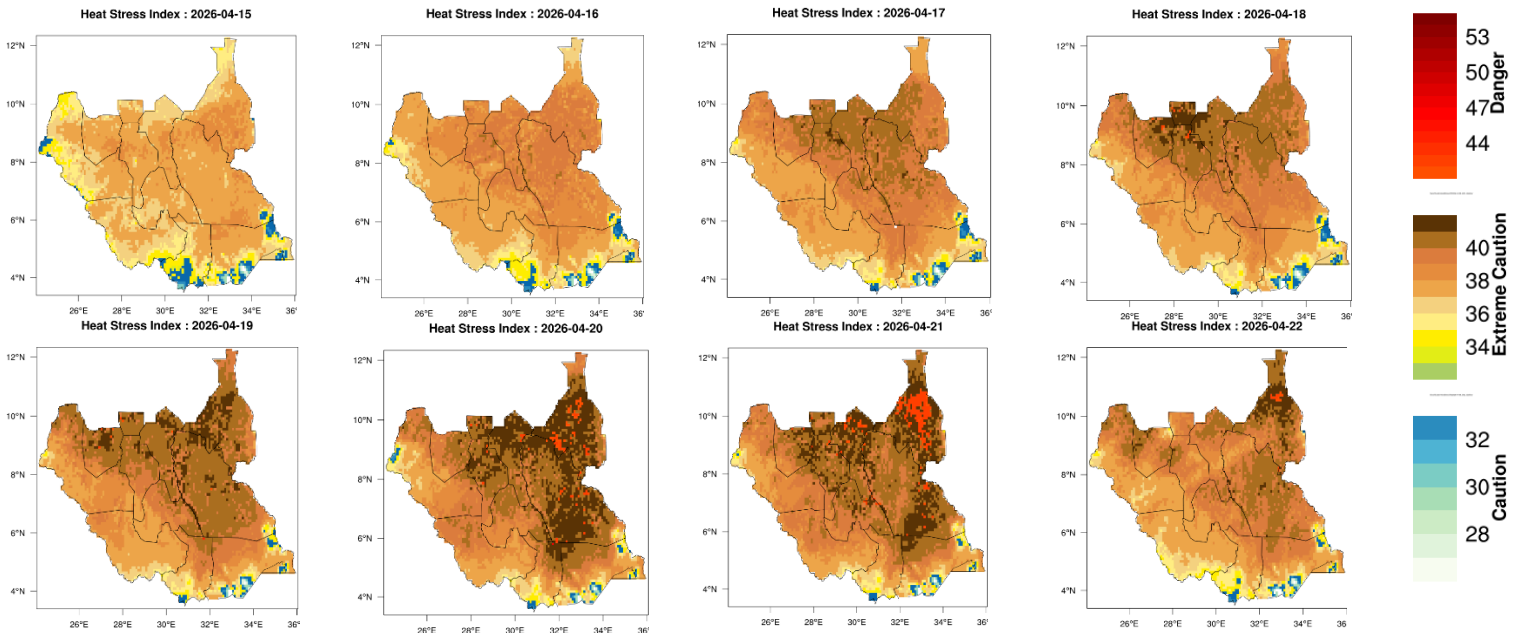


Figure3b: Day with Heat Stress Index forecast for 15-22 April 2026

Heat Stress Index Forecast for 15-22 April 2026

The heat Stress index on 17, 18, 19, 20, 21, and 22 April 2026 is expected to reach the most serious warning level, with temperatures exceeding 40°C , necessitating immediate action in most states of South Sudan. Please see Figure 4.

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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.