



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

<p>Last week's weather review:12-18 April 2026</p> <ul style="list-style-type: none"> • During the past week, most parts of South Sudan were in wet conditions. • Moderate rainfall, ranging from 50mm to 70 mm was observed over Western Bahar el Gazal State. 	<p>Forecast for 22-29 April 2026</p> <ul style="list-style-type: none"> • Moderate rainfall (more than 50 mm) over Western Equatorial State, Central Equatorial State and Jonglei State. • Over most parts of South Sudan, average temperate are expected to exceed 28 °C.
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Recent Rainfall and Temperature Observations

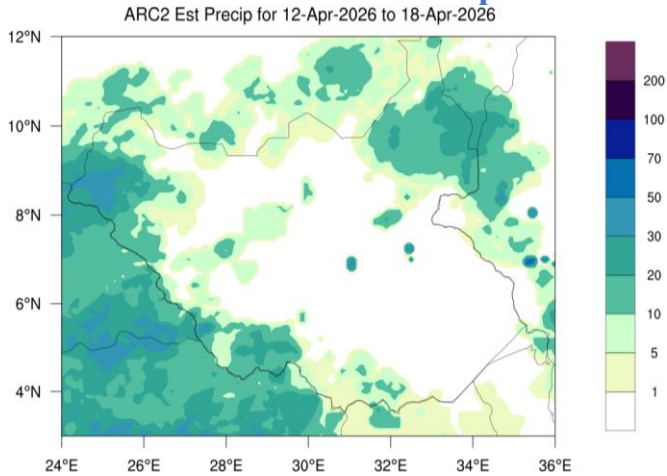


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 12 to 18 April 2026

Over the past week, some parts of South Sudan experienced rainfall conditions. Indicates accumulations between **(50 and 70 mm)** over Western Bahar el Gazal State, Western Equatorial, with localized higher amounts exceeding 70 mm in isolated areas. **Less than 30 mm** was recorded across the central parts of the country. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 22-29 April 2026

The forecast for this week (22-29 April 2026) indicates **Moderate rainfall** of about 50 mm to 100 mm over the Southern parts of Western Equatorial State, the southern parts of Central Equatorial, and the central parts of Jonglei State. While Light rainfall (less than 30 mm) is expected over most parts of the Country.

In terms of rainfall anomalies, the usual wet-season conditions are expected across South Sudan, with rainfall ranging from 0 to 60 mm. However, the rainfall anomalies, the usual dry-season conditions are expected over the Eastern Equatorial State, Central Equatorial State, Southern Lake State, Central parts of Unity State, and Western parts of Upper Nile State.

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In terms of rainfall anomalies, the usual wet-season conditions are expected across South Sudan, with rainfall between 0 and 60 mm. However, the rainfall anomalies, the usual dry-season conditions are expected over the Central Equatorial and Eastern Equatorial States

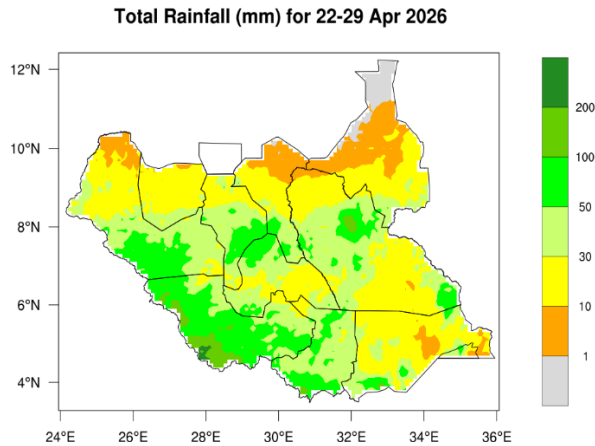


Figure 2a: Total rainfall(mm) forecast for 22-29 April 2026

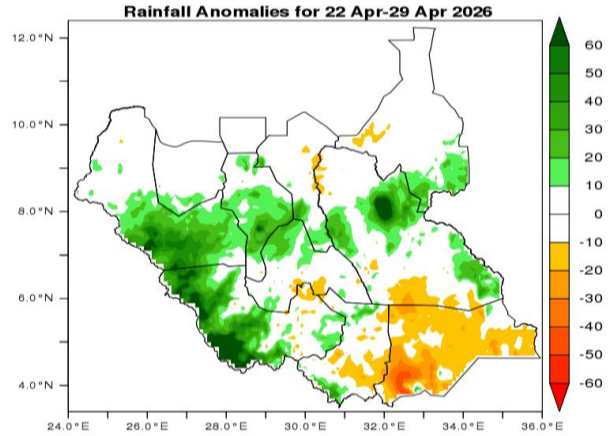


Figure 2b: Rainfall anomalies for 22-29 April 2026

Mean Temperature and Days with Heat Stress Forecast for 22-29 April 2026

The forecast for this week (22-29 April 2026) indicates that average temperatures are above 28 °C in most parts of South Sudan, while remaining below 28 °C in the southern parts of Western Bahar el Gazal State, Southern parts of Western Equatorial State, Southern parts of Central Equatorial State, and some parts of Eastern Equatorial State.

According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected across South Sudan this week (22-29 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 4-7 days of heat stress from 22-29 April 2026.



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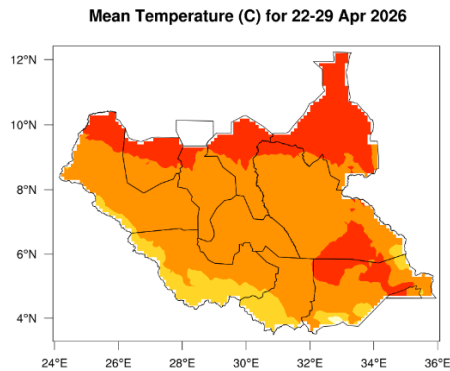


Figure 3a: Mean Temperature ($^{\circ}\text{C}$) forecast for 22-29 Apr 2026

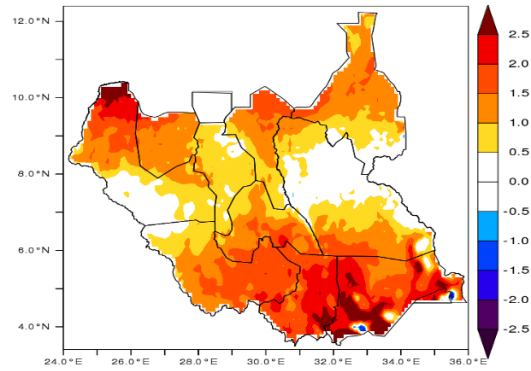


Figure3b: Temp. Anomalies ($^{\circ}\text{C}$) forecast for 22-29 Apr 2026

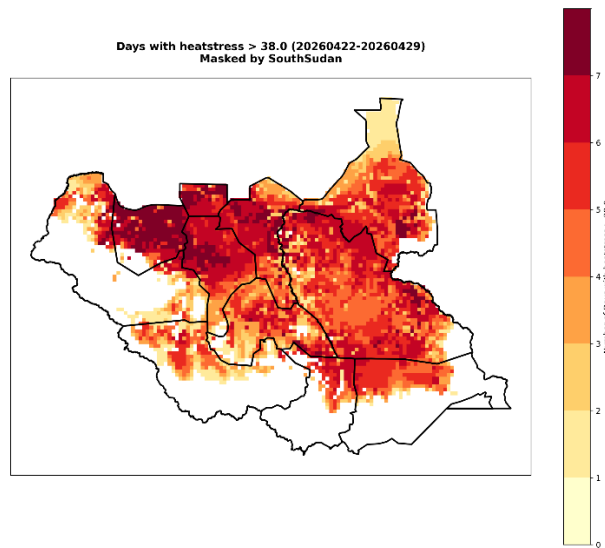


Figure3b: Day with Heat Stress Index forecast for 22-29 April 2026

Heat Stress Index Forecast for 22-29 April 2026

The Heat Stress Index Forecast for this week, 22 to 29 April 2026, indicates the following conditions across South Sudan: -

Caution (28–32°C Heat Index): Expected over the southern parts of South Sudan, where temperatures are slightly lower.

Extreme Caution (38–44°C Heat Index): Anticipated across central, northern, and eastern parts of the country. Prolonged exposure may lead to **heat exhaustion**.

Danger (>44°C Heat Index): Forecast in localised areas of the northeast and central-east. Conditions are conducive to **heat exhaustion and possible heat stroke**.



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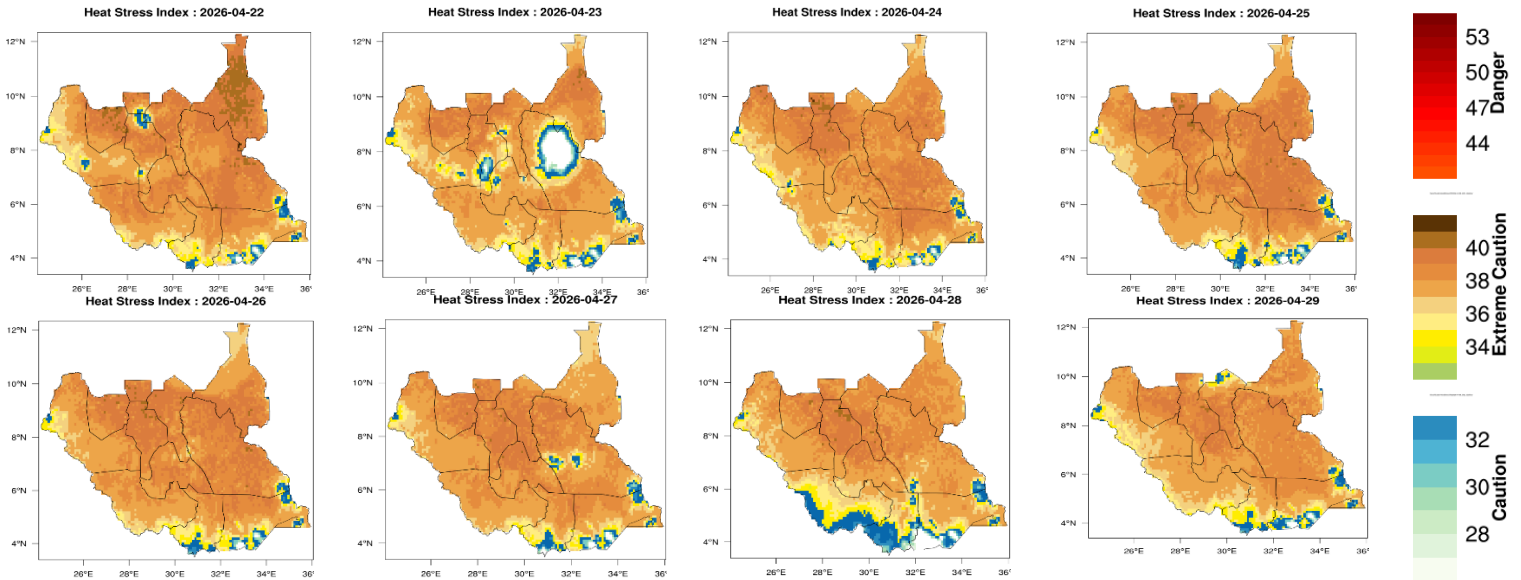


Figure 4: Heat Stress Index forecast for 22-29 April 2026

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.