



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 13 to 20 June 2026

- **During the past week**, most parts of South Sudan were in wet conditions.
- **Heavy rainfall**, more than 70 mm was observed over of Western Bahr el Gazal State, Warrap State, and Upper Nile State

Forecast for 24 to 01 Jul 2026

- **Heavy rainfall** amount more than 100 mm are forecast over most parts of the South Sudan.
- **The Heat Stress Index** on 24, 30 June and 01 July 2026 is expected to reach the most serious warning level, with temperatures exceeding 38 °C, necessitating immediate action over Northern states of South Sudan.

Recent Rainfall and Temperature Observations

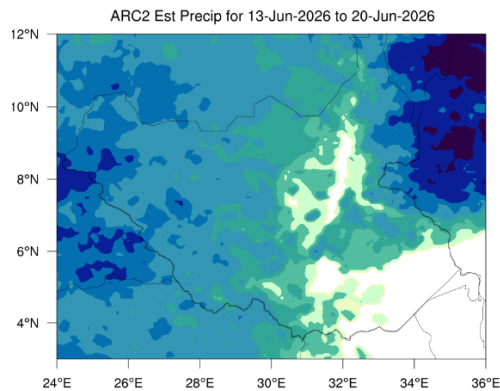


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 13 to 20 June 2026

Over the past week, most parts of South Sudan experienced rainfall. Indicates accumulations of heavy rainfall between 70 and 100 mm over Western Bahr el Gazal State, Warrap State, and Southeastern Upper Nile State. While less than 50 mm is concentrated in most parts of the country. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 24 June to 01 July 2026

The forecast for this week (24 June to 01 July 2026) indicates Heavy rainfall of more than 100 mm over Southern parts of Central Equatoria (Yei), most parts of Western Equatoria State, Western Bahr el Gazal State, Lake State, most parts of Jonglei State, some parts of Unity State, Warrap State, and Northern Bahr el Gazal 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 Eastern Equatoria, Pibor Administration Area, and Northern Upper Nile State (El Renk).

In terms of rainfall anomalies, the usual wet-season conditions are expected across South Sudan. However, rainfall anomalies, usual dry-season conditions with rainfall less than 10 mm are expected over Eastern Equatoria, some parts of Upper Nile State, western parts of Unity State, eastern parts of Warrap State, most parts of Southern Western Bahr el Gazal State, and Northern parts of Western Equatoria State.

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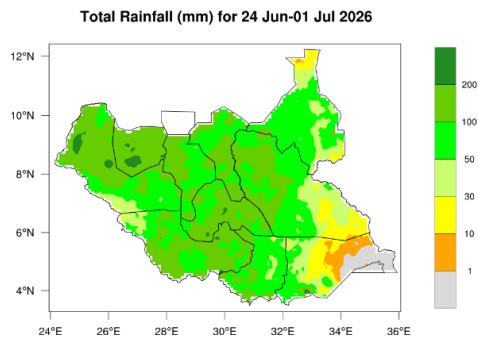


Figure 2a: Total rainfall(mm) forecast for 24/6 to 01/7 2026

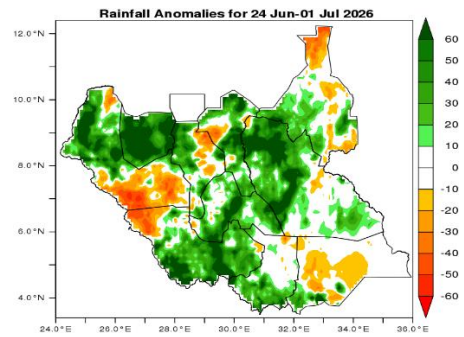


Figure 2b: Rainfall anomalies for 24/6 to 01/7 2026

Mean Temperature and Days with Heat Stress Forecast for 24 June to 01 July 2026

The forecast for this week (24 June to 01 July 2026) indicates that average temperatures are below 32 °C in most parts of South Sudan.

According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected across South Sudan this week (24 June to 01 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 the Northern parts of Upper Nile State, North parts of Unity State, Abyei Administration Area, Northern Bahr el Gazal State and Northern parts of Western Bahr el Gazal State experienced elevated temperatures of 38°C, which will cause heat stress, with up to 1-3 days of heat stress from 24 June to 01 July 2026.

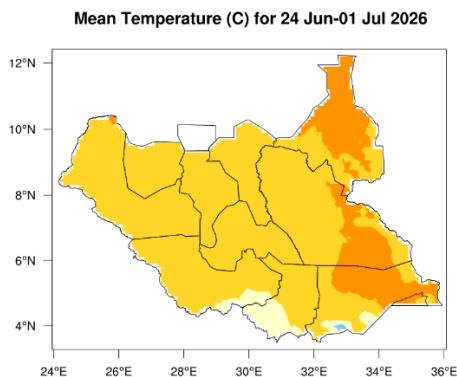


Figure 3a: Mean Temperature (°C) forecast for 24/6 to 01/7 2026

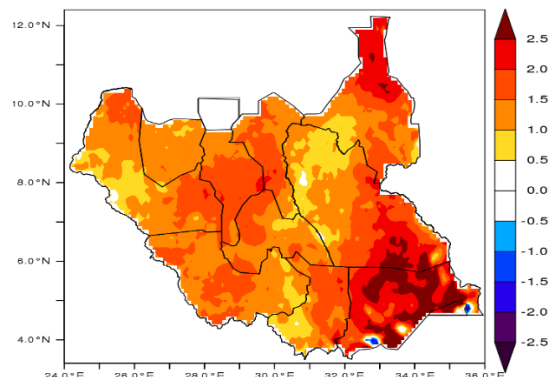


Figure 3b: Temp. Anomalies (°C) forecast for 24/6 to 01/7 2026

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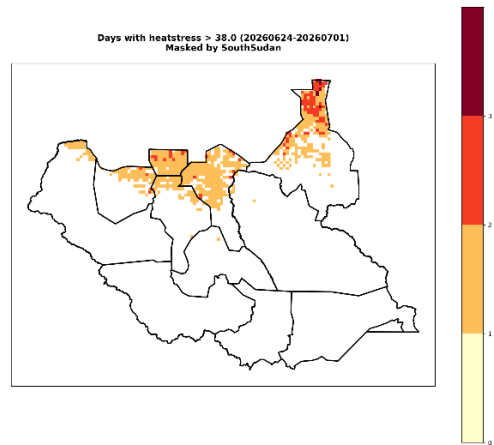
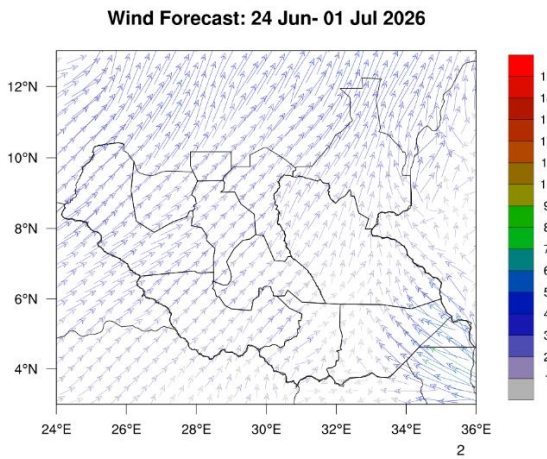


Figure3b: Day with Heat Stress Index forecast for 24/6 to 01/7 2026

Wind (Direction and Speed) Forecast for 24 June to 01 July 2026



The forecast for this week (24 June to 01 July 2026) indicates that the winds across most parts of South Sudan are expected to be predominantly southwesterly to southerly, blowing from the southwest towards the northeast. Wind speeds are generally forecast to be light to moderate over much of the country.

Stronger winds are expected over the southeastern parts of South Sudan, particularly Eastern Equatoria and the southern parts of Pibor Administration Area, where wind speeds may reach approximately 4–7 m/s. The northern and central States are likely to experience lighter winds, generally ranging between 1 and 4 m/s.

Figure 4: Wind (Direction & Speed) forecast for 24/6 to 01/ 2026

Heat Stress Index Forecast for 24 June to 01 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:

- On 24, 30 June and 01 July 2026, over parts of Northern Bahr el Gazal, Abyei Administration Area, Warrap State, Unity State, and the Northern parts of Upper Nile.

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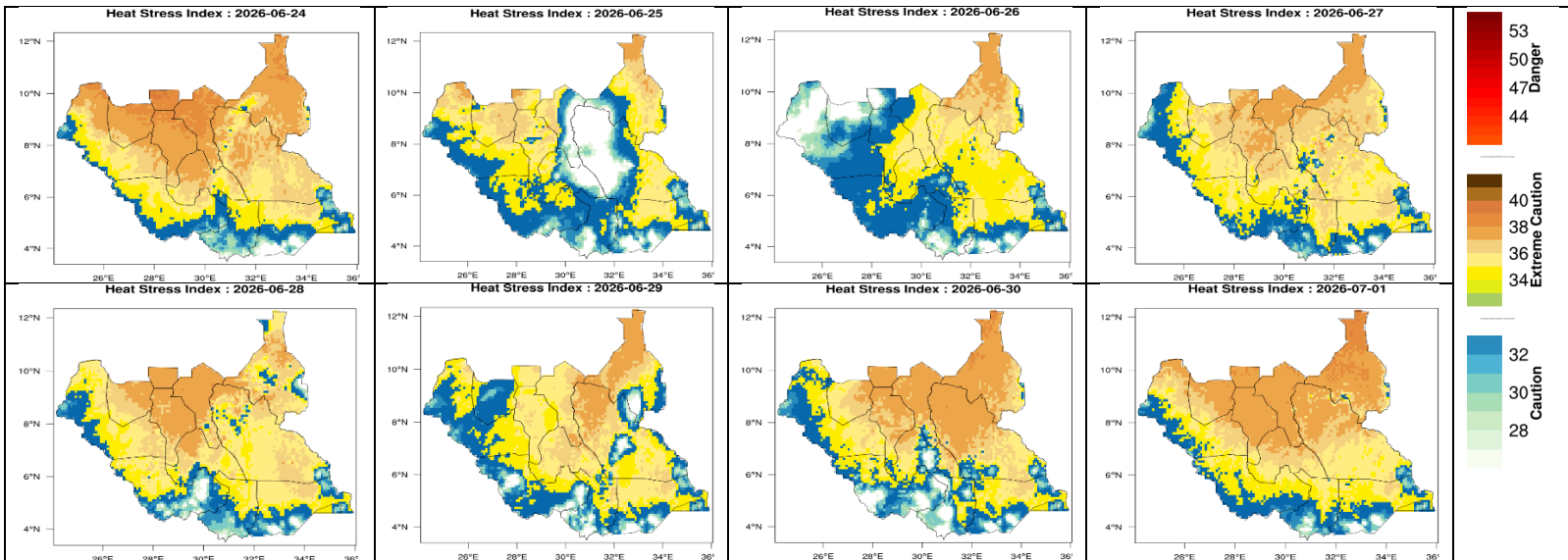


Figure 5: Heat Stress Index forecast for 24 June to 01 July 2026

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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