



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 20 to 27 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 Western Equatoria State

Forecast for 01 to 08 July 2026

- **Heavy rainfall** amount more than 100 mm are forecast over most parts of the South Sudan. Except Easten Equatoria, Pibor and Bor South.
- **The Heat Stress Index** on 01, 02, 03, 04, 06, 07 and 08 July 2026 is expected to reach the most serious warning level, with temperatures exceeding 38 °C, necessitating immediate action over Abyei and El Renk states of South Sudan.

Recent Rainfall and Temperature Observations

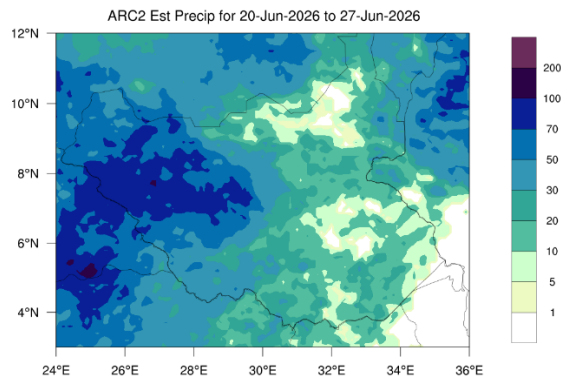


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 20 to 27 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, some parts of Warrap State, and Northern parts of Western Equatoria State. While less than 50 mm is concentrated in most parts of the country. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 01 to 08 July 2026

The forecast for this week (01 to 08 July 2026) indicates Heavy rainfall of more than 100 mm over Eastern parts of Central Equatoria, most parts of Western Equatoria State, most parts of Lake State, Southern parts of Western Bahr el Gazal State, Eastern& Northern parts of Jonglei State, most parts of Warrap State, and Eastern parts of Pibor Administrative Area. 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, and Southern parts of Jonglei State (Bor South).

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, Pibor Administrative Area, Southern of Jonglei Stat, some parts

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of Upper Nile State, western parts of Unity State, eastern parts of Warrap State, most parts of Southern Western Bahr el Gazal State, and Central parts of Western Equatoria State.

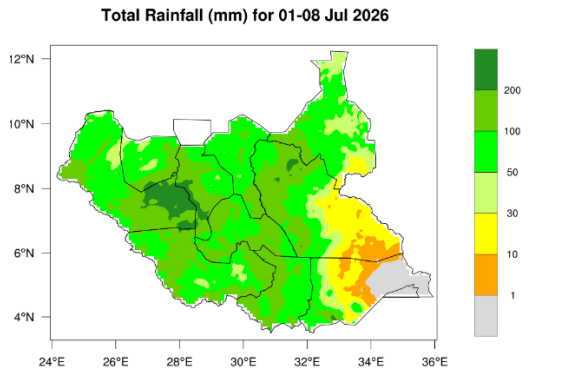


Figure 2a: Total rainfall(mm) forecast for 01 to 08 July 2026

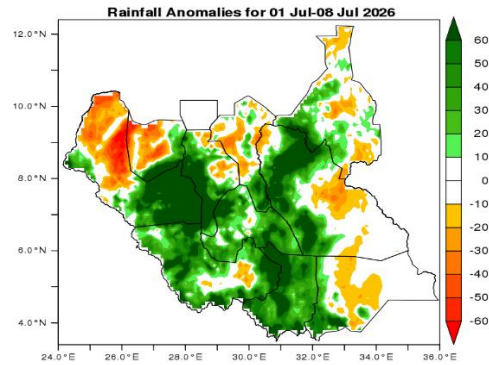


Figure 2b: Rainfall anomalies for 01 to 08 July 2026

Mean Temperature and Days with Heat Stress Forecast for 01 to 08 July 2026

The forecast for this week (01 to 08 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 (01 to 08 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, and Abyei Administration Area experienced elevated temperatures of 38°C, which will cause heat stress, with up to 4-7 days of heat stress from 01 to 08 July 2026.

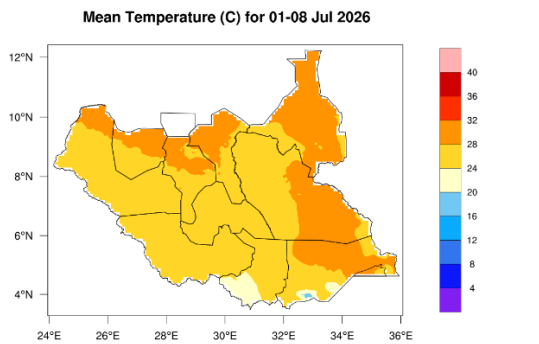


Figure 3a: Mean Temperature (°C) forecast for 01-08 July 2026

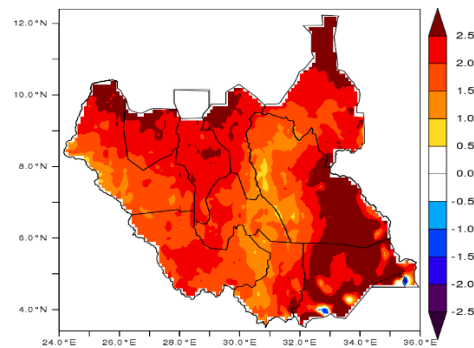


Figure 3b: Temp. Anomalies (°C) forecast for 01-08 July 2026

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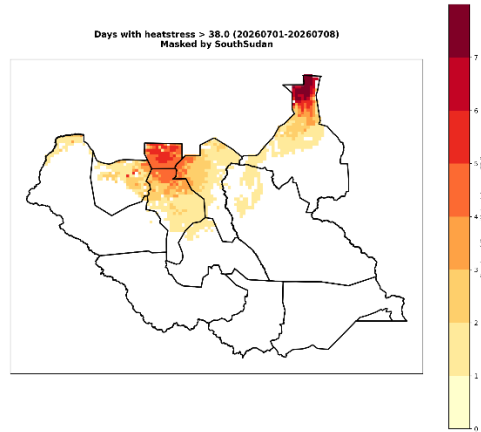
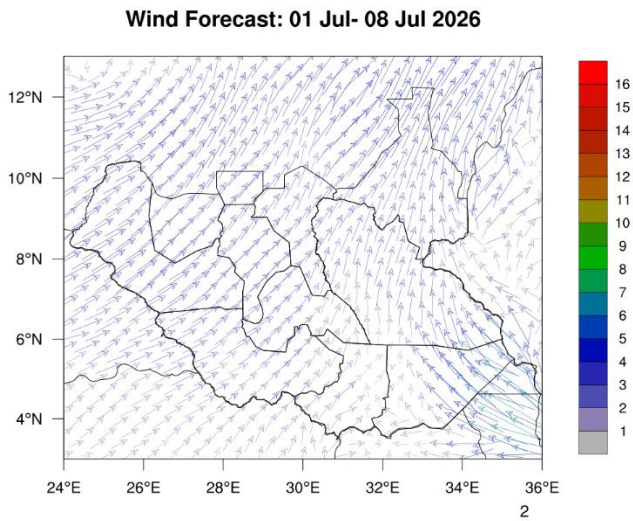


Figure3b: Day with Heat Stress Index forecast for 01- 08 July 2026

Wind (Direction and Speed) Forecast for 01 to 08 July 2026



The forecast for this week (01 to 08 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 01 to 08 July 2026

Heat Stress Index Forecast for 01 to 08 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 01, 02, 03, 06, 07 and 08 July 2026, over Abyei Administration Area, and the Northern parts of Upper Nile (El Renk)

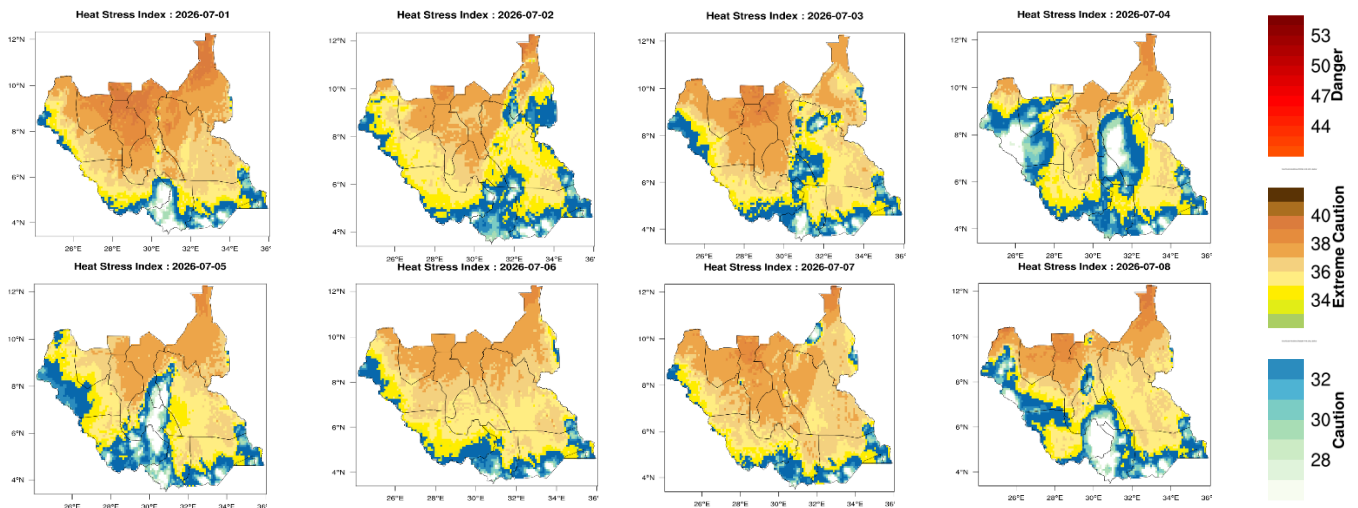


Figure 5: Heat Stress Index forecast for 01 to 08 July 2026

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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