



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 07 to 13 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 Abyei Administration Area

Forecast for 17 to 24 June 2026

- **Heavy rainfall** amount more than 100 mm are forecast over Western Equatoria State, Western Bahr el Gazal State, the southern parts of Like State, and some parts of Unity State.
- **The Heat Stress Index** on 21 and 22 June 2026 is expected to reach the most serious warning level, with temperatures exceeding 40 °C, necessitating immediate action over Northern states of South Sudan.

Recent Rainfall and Temperature Observations

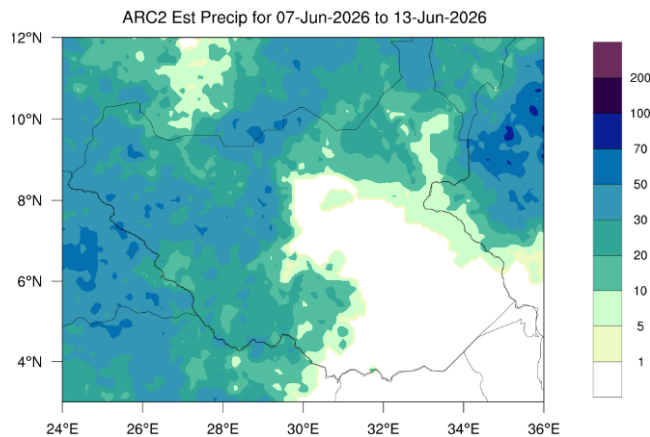


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 07 to 13 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 Abyei Administration Area. While less than 50 mm is concentrated in most parts of the country. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 17 to 24 June 2026

The forecast for this week (17 to 24 June 2026) indicates Heavy rainfall of more than 100 mm over parts of Western Equatoria State, Western Bahr el Gazal State, the southern parts of Lake State, and some parts of Unity State. Moderate rainfall of about 50-100 mm is expected in Western Bahr el Gazal State, Northern Bahr el Gazal State, Abyei Administration Area, Unity State, Warrap State, Like State, and parts of Western Equatorial State. 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, rainfall anomalies, the usual wet-season conditions are expected over some parts of Western Equatoria State, most parts of Western Bahr el Gazal State, Eastern parts of Northern Bahr el Gazal State, some parts of Unity State and Central parts of Upper Nile State.

For more information, please get in touch with Emmanuel Qurino: equirino@yahoo.com, mobile no.: +211928812746, Aciek Thukul: aciekthukul100@gmail.com, mobile no: +211927296190, or visit our office at South Sudan Civil Aviation Headquarters



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

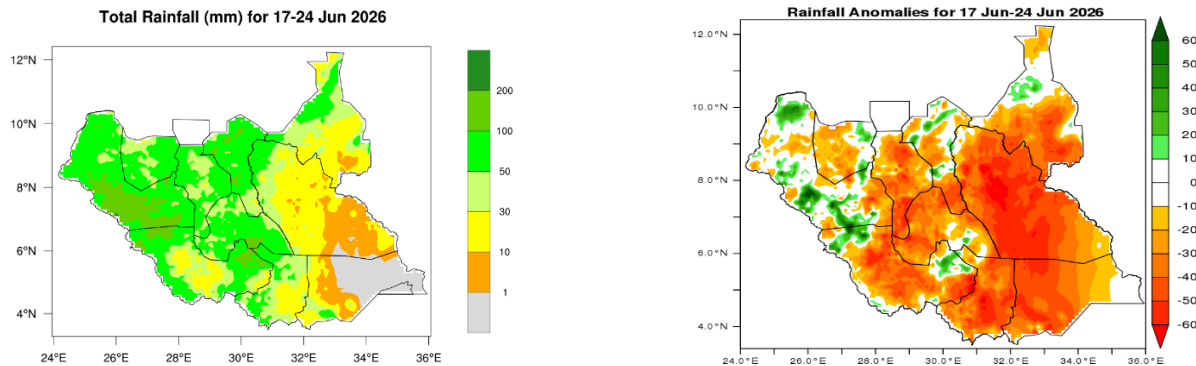


Figure 2a: Total rainfall(mm) forecast for 17-24 June 2026 **Figure2b:** Rainfall anomalies for 17-24 June 2026

Mean Temperature and Days with Heat Stress Forecast for 17-24 June 2026

The forecast for this week (17-24 June 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 (17-24 June 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 Upper Nile State, 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 5-7 days of heat stress from 17-24 June 2026.

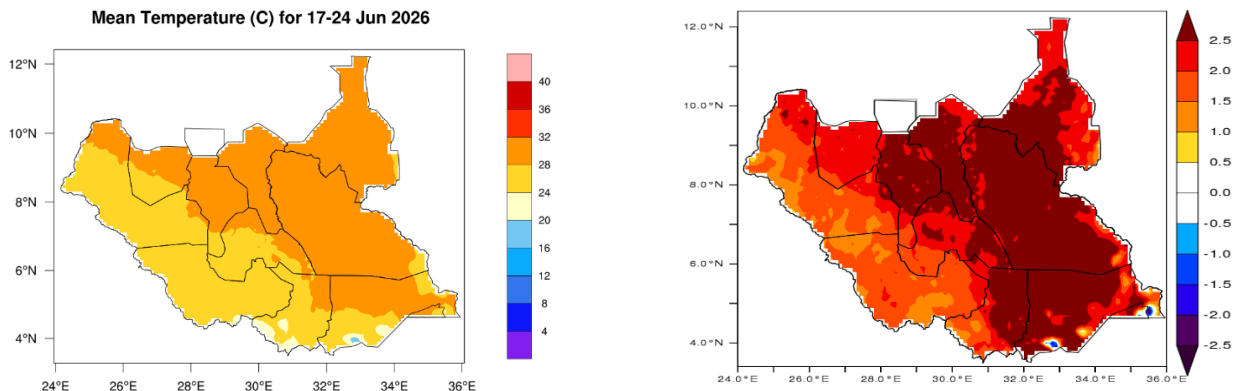


Figure 3a: Mean Temperature (°C) forecast for 17-24 June 2026

Figure3b: Temp. Anomalies (°C) forecast for 17-24 June 2026

For more information, please get in touch with Emmanuel Qurino: equirino@yahoo.com, mobile no.: +211928812746, Aciek Thukul: aciekthukul100@gmail.com, mobile no: +211927296190, or visit our office at South Sudan Civil Aviation Headquarters



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

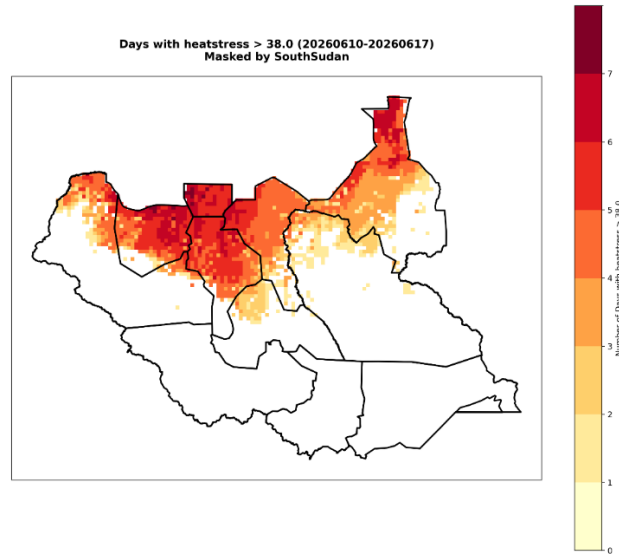


Figure3b: Day with Heat Stress Index forecast for 17-24 June 2026

Wind (Direction and Speed) Forecast for 17 to 24 June 2026

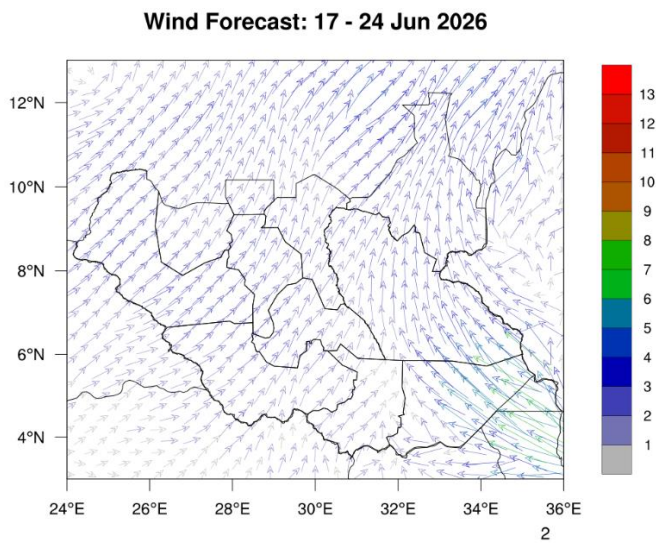


Figure 4: Wind (Direction & Speed) forecast for 17-24 June 2026

The forecast for this week (17–24 June 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.

These wind conditions may support the transport of moisture from the south and southwest into the country, contributing to favourable conditions for rainfall development in some areas.

For more information, please get in touch with Emmanuel Qurino: equirino@yahoo.com, mobile no.: +211928812746, Aciek Thukul: aciekthukul100@gmail.com, mobile no.: +211927296190, or visit our office at South Sudan Civil Aviation Headquarters



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Heat Stress Index Forecast for 17 to 24 June 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, which indicates a moderate level of risk, meaning there are potential risks ahead that you should be aware of or a warning to proceed with care and stay alert.

The second, Extreme Caution, implies a higher level of risk than the first (Caution). It suggests that the situation is more dangerous or precarious and requires heightened awareness and vigilance.

The last, indicated in red, 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 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 21 and 22 June 2026, over parts of Northern Bahr el Gazal, Abyei Administration Area, Warrap State, Unity State, and the Northern parts of Upper Nile.

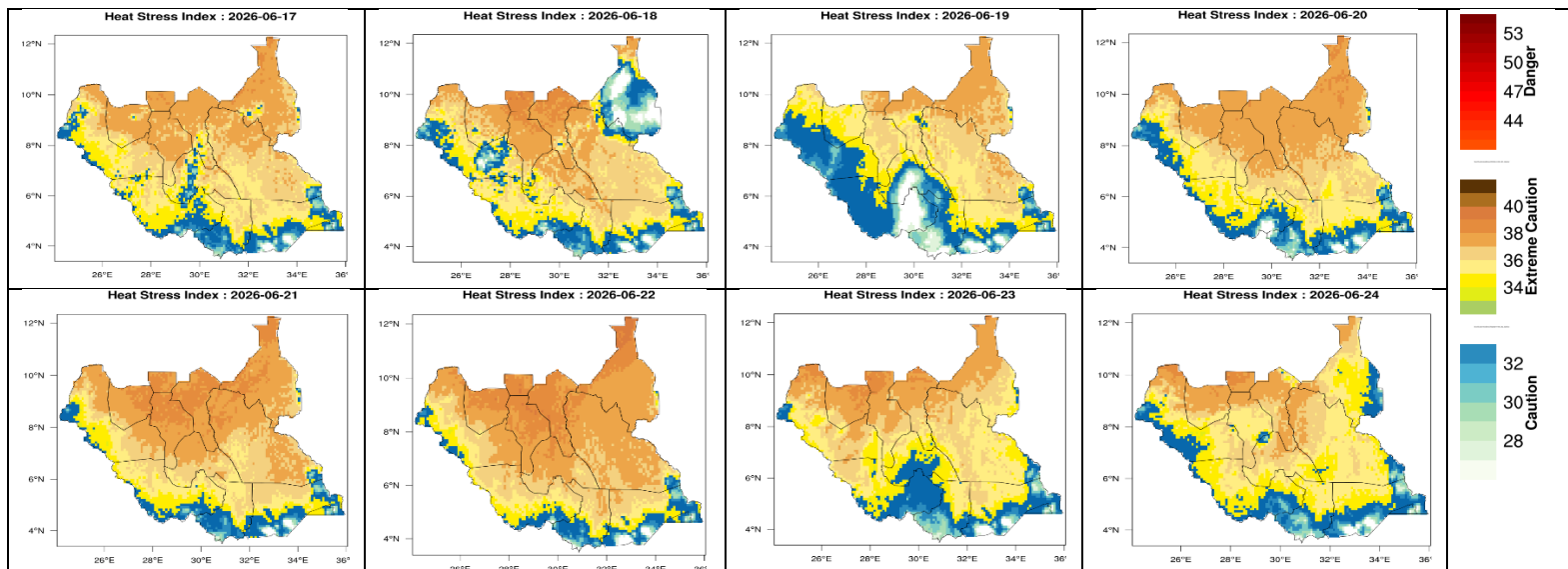


Figure 5: Heat Stress Index forecast for 10-17 June 2026

For more information, please get in touch with Emmanuel Qurino: equirino@yahoo.com, mobile no.: +211928812746, Aciek Thukul: aciekthukul100@gmail.com, mobile no: +211927296190, or visit our office at South Sudan Civil Aviation Headquarters



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

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.

For more information, please get in touch with Emmanuel Qurino: equirino@yahoo.com, mobile no.: +211928812746, Aciek Thukul: aciekthukul100@gmail.com, mobile no: +211927296190, or visit our office at South Sudan Civil Aviation Headquarters