



South Sudan Meteorological Services

Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Highlights

Last week's weather review: 08-15 August 2026

During the past week, most parts of South Sudan were in wet conditions.

Heavy rainfall, more than 70 mm was observed southern part of Torit in Eastern Equatoria, Jur River in WBGs and northern each of Manyo & El Renk in Upper Nile State.

Forecast for 19-26 August 2026

Heavy rainfall amount more than 200 mm are forecast over counties in **Western** parts of **South Sudan**.

Recent Rainfall and Temperature Observations

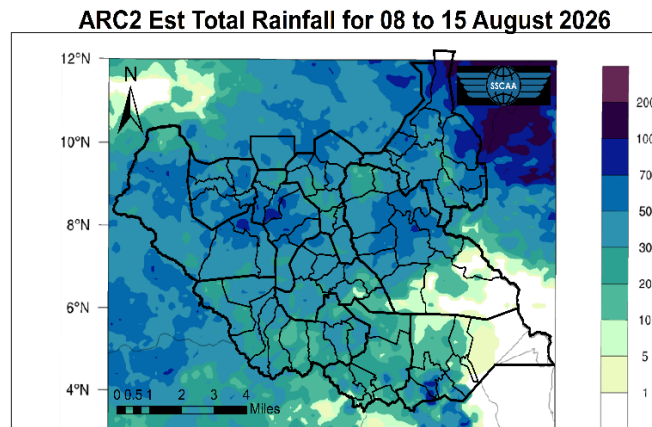


Figure 1: Past week ARC2 Estimated Rainfall(mm)

Monitoring last week's Satellite & Gauge

Estimated Rainfall (mm) for 08-15 August 2026

Over the past week, most parts of South Sudan experienced rainfall.

Indicates accumulations of highest rainfall more than 70 mm over central & southern part of Torit in Eastern Equatorial, Jur River in WBGs, central & southern Gogrial East in Warrap State, Northern parts of Uror in Jonglei State, Maban, northern each of Manyo & El Renk in Upper Nile State, moderate rainfall between 30 and 70 mm is concentrated in most parts' country, while less than 30 mm is concentrated in most parts' Kapoeta East in Eastern Equatorial State, most parts of Pibor & Pachalla in Greater Pibor Administrative Area and southern parts of South Bor. Using ARC2 Estimated Rainfall scripts.

Rainfall Forecast for 19-26 August 2026

The forecast for this week (19-26 August 2026) indicates Heavy rainfall of more than 200 mm over, Northern parts of Wau & Jur River, central parts of Raja County in Western Bahr el Gazal State, Aweil center, and Aweil east in Northern Bahr el Gazal State. Moderate rainfall of about 100-200 mm is expected over most parts of the Country.

Light rainfall (less than 50 mm) is expected over most parts of Eastern Equatorial, Pibor Administration Area, and Akobo & Pachalla counties, and Maiwet, Longochok in Upper Nile State.

In terms of rainfall anomalies, the usual wet-season conditions are expected across South Sudan, However, rainfall anomalies, usual dry-season conditions are expected over eastern parts of Lafon,

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Budi, Greter Kapoeta counties in Eastern Equatorial, Ibba, Anzara, Ezo counties in Western Equatorial State, Rumbek east, Yirol east& west, Wulu counties in Lake State, Pibor & Pachalla in Greater Pibor Administrative Area, Akobo in Jonglei State, and Maiwet, Longochok in Upper Nile State

Total Rainfall (mm) for 19-26 Aug 2026

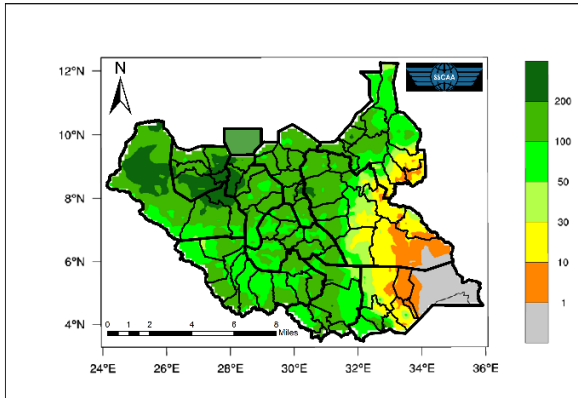


Figure 2a: Total rainfall(mm) forecast for 19-26 Aug 2026

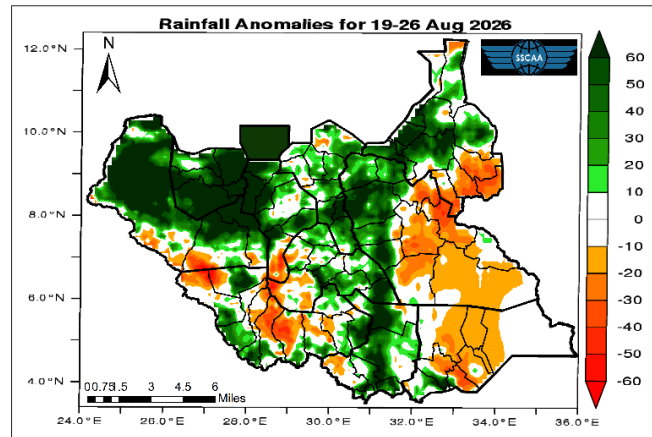


Figure 2b: Rainfall anomalies for 19-26 Aug 2026

Mean Temperature Forecast for 19 to 26 August 2026

The forecast for this week (19 to 26 August 2026) indicates that average temperatures are below 28 °C in most parts of South Sudan. However, that average temperature is more than 28 °C Kapoeta East & North, Northeastern Lapon in Eastern Equatorial, most parts of Greater Pibor Administration Area, Akobo in Jonglei State, and Longochok county, Northern parts of El Renk in Upper Nile State.

According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected across South Sudan this week (19 to 26 August 2026).

Mean Temperature (°C) for 19-26 Aug 2026

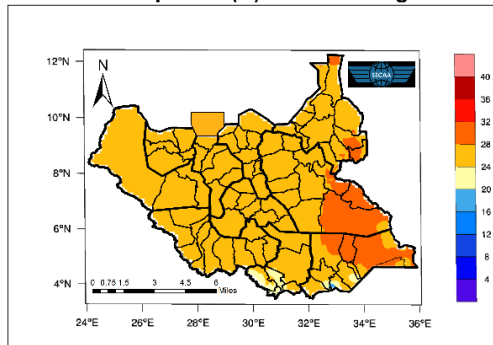


Figure 3a: Mean Temperature (°C) forecast 19-26/8/2026

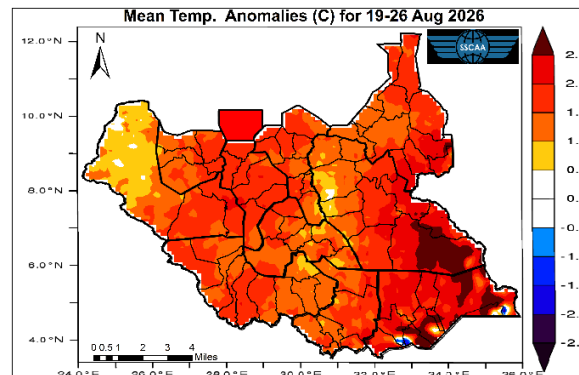


Figure 3b: Temp. Anomalies (°C) forecast 19-26/8/2026

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Wind (Direction and Speed) Forecast for 19-26 August 2026

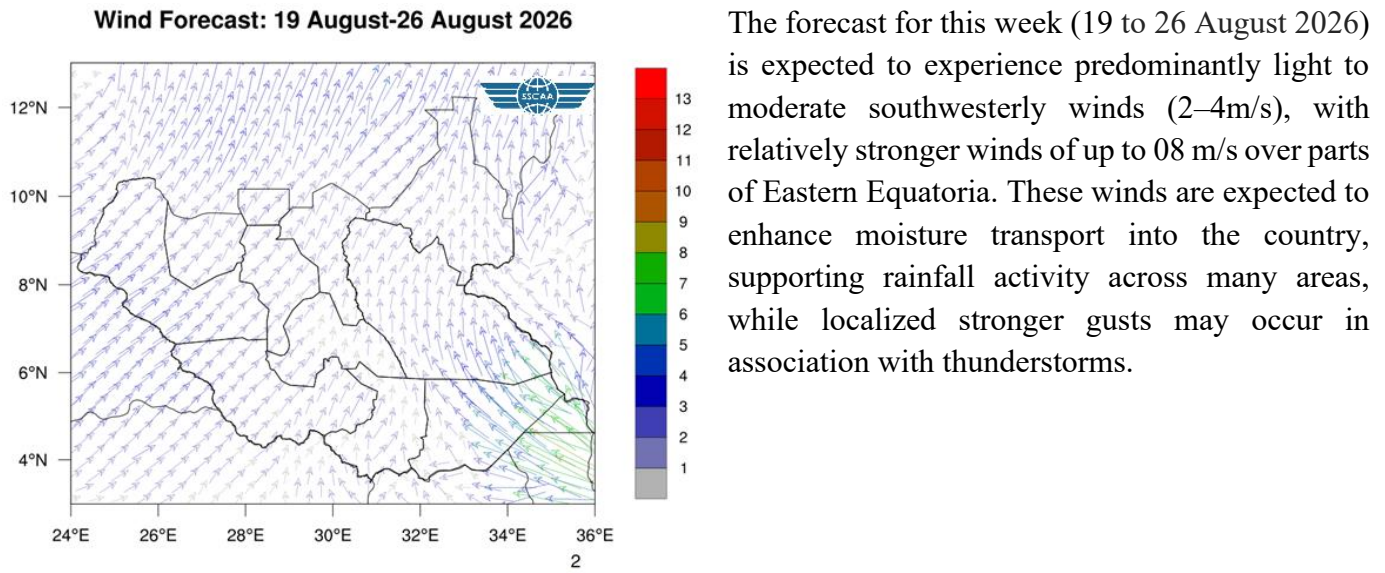


Figure 4: Wind (Direction & Speed) forecast 19-26/8/2026

Heat Stress Index Forecast for 19 to 26 August 2026

According to the Heat Stress index, we have three levels of heat wave (Caution, Extreme Caution and Danger)

The Legend is a light blue to blue colour representing Caution it indicates a moderate level of risk, which means there are potential risks ahead that you should be aware of or a warning to proceed with care and stay alert.

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

The last indicated by red colour 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.

Alerts: the above heat Stress index image for next week is expected to be the Extreme Caution level of warning, for certain days and locations as follows:

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On the 19, 20, 22, and 23 August 2026, over Unity State, Abyei Administration Area, Warrap State, Northern Bahr el Gazal State and most parts of Upper Nile State.

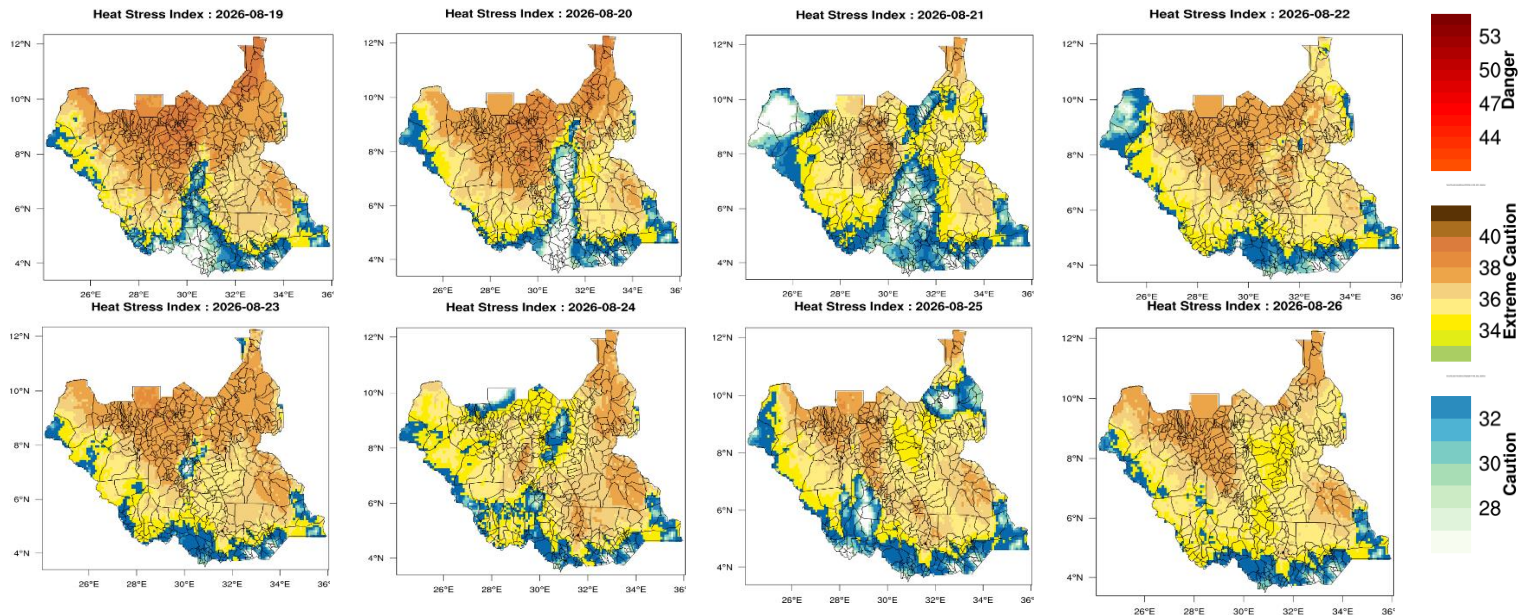


Figure 5: Heat Stress Index forecast for 19-26 August 2026

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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