SOUTH SUDAN METEOROLOGICAL SERVICE

WEEKLY WEATHER OUTLOOK, MONITORING AND FORECAST

04 – 11 November 2026

HIGHLIGHTS

TOTAL RAINFALL
50–100 mm
Forecast over selected counties in Southwestern, Southern and Southeastern South Sudan.

MEAN TEMPERATURE
>28°C
Average temperatures expected across most parts of South Sudan.

WIND
Light to moderate winds of 2–6 m/s are expected across most parts of South Sudan.

HEAT STRESS
EXTREME CAUTION
Expected over most parts of South Sudan on 04 and 05 November 2026.

1. RECENT RAINFALL AND TEMPERATURE OBSERVATIONS

Monitoring for 24 to 31 October 2026 indicates that most parts of South Sudan experienced generally wet conditions. Rainfall exceeding 50 mm was observed over several counties in the Southern, western and central parts of the country.

Over the past week, rainfall indicated the highest accumulations:

Moderate rainfall of about 50 –100 mm over some parts of Kapoeta East, Kapoeta North, Lafon, Torit, Central Budi, Magwi counties in Eastern Equatorial State; Terekeka, Eastern parts of Juba, Southern Kajo-Keji counties in Central Equatorial State; most counties in Western Equatorial State; some counties in Lake State, most parts of Jur River, Southern parts of Raja counties in Western Bahr el Ghazal State; Northern parts of Bor, Southern parts of Uror, Pigi, and most parts of Pochalla counties Jonglei State; Longochok, Maiwut, Nasir, Southern parts of Ulang counties in Upper Nile State, Central parts of Koch county in Unity State; most parts of Pibor Administrative Area.

Light rainfall of less than 30 mm was concentrated over most other parts of the country.

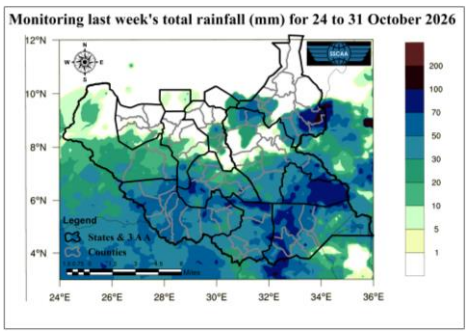


Figure1. Satellite& gauge-estimated rainfall

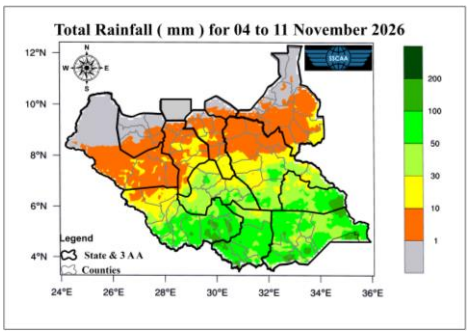


Figure 2a. Total rainfall forecast (mm)

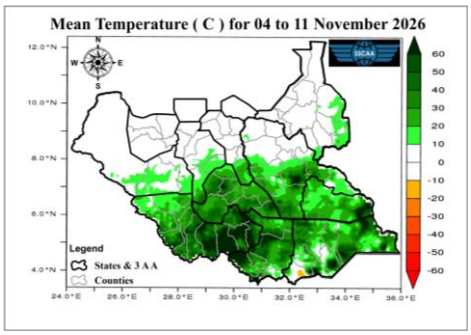


Figure 2b. Rainfall anomalies forecast (mm)

2. RAINFALL FORECAST | 04 to 11 NOVEMBER 2026

Moderate rainfall of about 50 –100 mm is forecast over some parts of Terekeka, Juba, Lainya, Yei, Morobo, and Kaji-Keji counties in Central Equatorial State; most counties in western parts of Western Equatorial State; most counties in Lake State; most counties in Southern parts of Jonglei State; parts of Pibor Administrative Area; Kapoeta East & North, Budi, Ikotos, Torit, Magwi in Eastern Equatorial State.

Light rainfall of less than 30 mm is expected over most other parts of South Sudan.

In terms of rainfall anomalies, the usual wet conditions are expected over most parts of South Sudan.

Forecast element	Expected condition	Main areas
Moderate Rainfall amount	50 – 100 mm	Southwestern, Southern and Southeastern parts of South Sudan.
Light rainfall amount	Less than 30 mm	Other parts of South Sudan
Rainfall anomaly	Wet conditions	Most parts of South Sudan

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3. MEAN TEMPERATURE FORECAST |04 to 11 NOVEMBER 2026

Average temperatures exceeding 28°C are forecast over most of South Sudan from 04 to 11 November 2026.

Average temperatures less than 28°C are expected over southeastern parts of the Pibor Administrative Area; northern parts of Kapoeta East and Kapoeta South; Budi, Ikotos, Torit and Magwi counties in Eastern Equatoria State; some parts of Juba, Kajo-Keji, Lainya, Yei and Morobo counties in Central Equatoria State; most counties in Western Equatoria State; Southeastern part of Lake State; Wau and Raja counties in Western Bahr el Ghazal State; most counties in Northern Bahr el Ghazal State; and some parts in Warrap, Jonglei State. .

Temperature anomaly forecasts indicate warmer-than-usual temperatures across South Sudan during the forecast period.

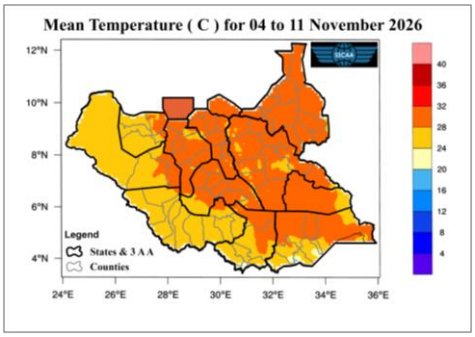


Figure 3a. Mean temperature forecast (°C).

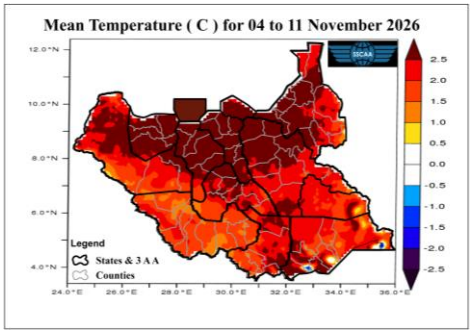


Figure 3b. Temperature anomalies forecast (°C).

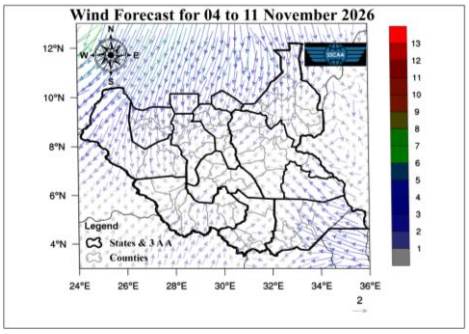


Figure 4. Wind direction and speed forecast.

4. WIND DIRECTION AND SPEED FORECAST |04 to 11 NOVEMBER 2026

Light to moderate winds, ranging from 2 to 6 m/s, are expected across most parts of South Sudan. In the southern parts of the country, winds are expected to be predominantly southwesterly and southeasterly, while northwesterly and northeasterly winds are forecast over the northern parts.

5. HEAT STRESS INDEX FORECAST |04 to 11 NOVEMBER 2026

The Heat Stress Index categories used in this bulletin are Caution, Extreme Caution and Danger.

Alerts: The Heat Stress Index forecast indicates **Extreme Caution** conditions on selected days and across several locations in South Sudan.

Alert dates: 04 and 05 November 2026

Affected areas: Most payams in South Sudan. Particularly in the central, northern and eastern parts of the country.

Lower heat-stress conditions are more likely across parts of the southern and western regions of South Sudan.

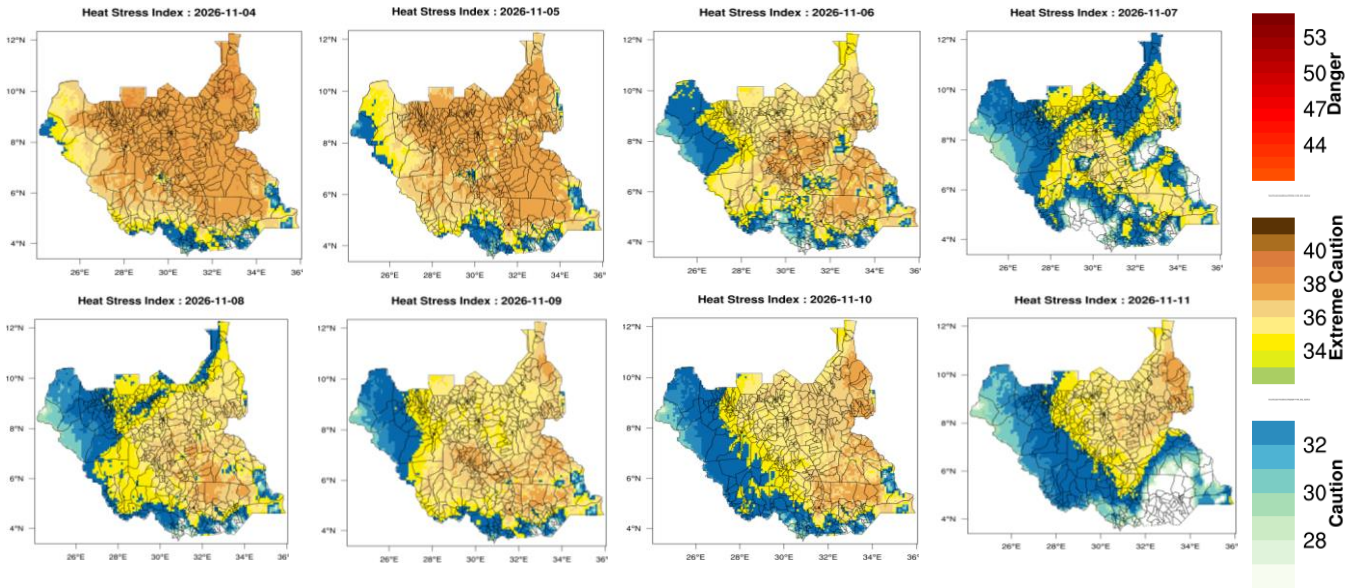


Figure 5. Heat Stress Index forecast

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HEAT-STRESS ALERT — EXTREME CAUTION

Reduced exposure is advised, particularly during the hottest part of the day. Vulnerable groups should be closely monitored.

6. HEAT-STRESS SAFETY ADVISORY

- Reduce prolonged exposure to high temperatures and use protective measures such as shade, cooling facilities and adequate ventilation where available.
- Closely monitor vulnerable groups, including children, older persons, people with physical disabilities and expectant mothers.
- During the hottest part of the day, remain indoors or in shaded areas where possible and drink water frequently to maintain hydration.
- Continue to monitor official meteorological advisories, particularly in areas experiencing hotter and drier conditions.
- Follow weekly updates from the South Sudan Meteorological Service for changes in heat-stress conditions.

7. SECTORAL PREPAREDNESS MESSAGE

- **Agriculture and Livestock:** Use the rainfall outlook to guide agricultural activities, livestock movement, pasture monitoring, and water-resource management. Farmers and pastoralists should take appropriate measures to minimise potential rainfall-related impacts.

- **Transport and Infrastructure:** Monitor the impacts of rainfall on roads, bridges, and other infrastructure, particularly in flood-prone and low-lying areas. Take precautionary measures to minimise transport disruptions.

- **Health:** Strengthen public health awareness, promote access to safe drinking water and proper sanitation, and monitor potential rainfall-related health risks, including waterborne diseases.

- **Disaster Risk Management and Emergency Services**: Strengthen early-warning dissemination, continuously monitor updated weather forecasts, and enhance preparedness and response capacity for potential localised flooding and other rainfall-related hazards.

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 impending severe weather, 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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