SOUTH SUDAN METEOROLOGICAL SERVICE

WEEKLY WEATHER OUTLOOK, MONITORING AND FORECAST

28 OCTOBER – 04 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
Stronger winds of up to 7 **m/s** are expected over Eastern Equatorial State.

HEAT STRESS
EXTREME CAUTION
Expected over most parts of South Sudan on 28, 29, 30 October and 04 November 2026.

1. RECENT RAINFALL AND TEMPERATURE OBSERVATIONS

Monitoring for 17 to 24 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 northern parts of Torit, Magwi in Eastern Equatorial State; most counties in Central Equatorial State; most counties in Western Equatorial State; some counties in Lake State, southern parts of Wau & Jur River in Western Bahr el Ghazal State; southern parts of Jonglei State and western parts of Pibor Administrative Area.

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

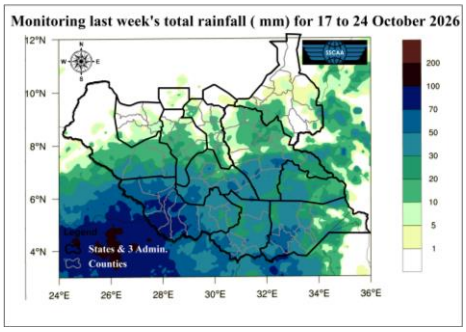


Figure1. Satellite& gauge-estimated rainfall

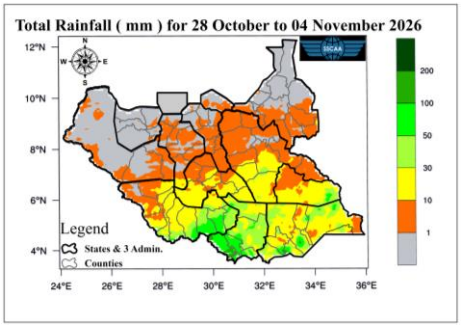


Figure 2a. Total rainfall forecast (mm)

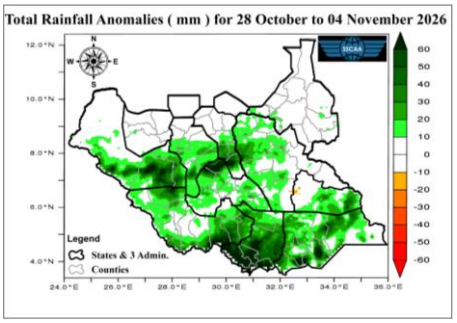


Figure 2b. Rainfall anomalies forecast (mm)

2. RAINFALL FORECAST |28 OCTOBER to 04 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; southeastern parts of Pibor Administrative Area; northern parts of Kapoeta East, Budi, Ikotos, southern parts of Torit, and some parts of 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 |28 OCTOBER to 04 NOVEMBER 2026

Average temperatures exceeding 28°C are forecast over most of South Sudan from 28 October to 04 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, southern parts of 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; and Southwestern parts of Wau and most of Raja counties in Western Bahr el Ghazal State.

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

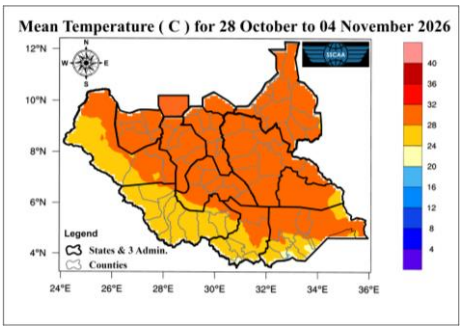


Figure 3a. Mean temperature forecast (°C).

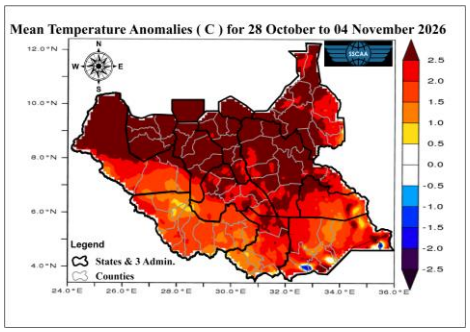


Figure 3b. Temperature anomalies forecast (°C).

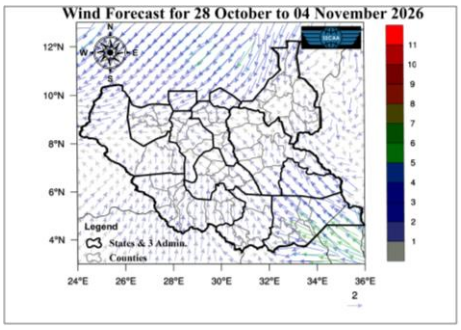


Figure 4. Wind direction and speed forecast.

4. WIND DIRECTION AND SPEED FORECAST |28 OCTOBER to 04 NOVEMBER 2026

Light to moderate southwesterly winds of 2–5 m/s are expected across most parts of South Sudan. Relatively stronger winds, reaching up to 7 m/s, are forecast over most parts of Eastern Equatoria State.

5. HEAT STRESS INDEX FORECAST |28 OCTOBER to 04 NOVEMBER 2026

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

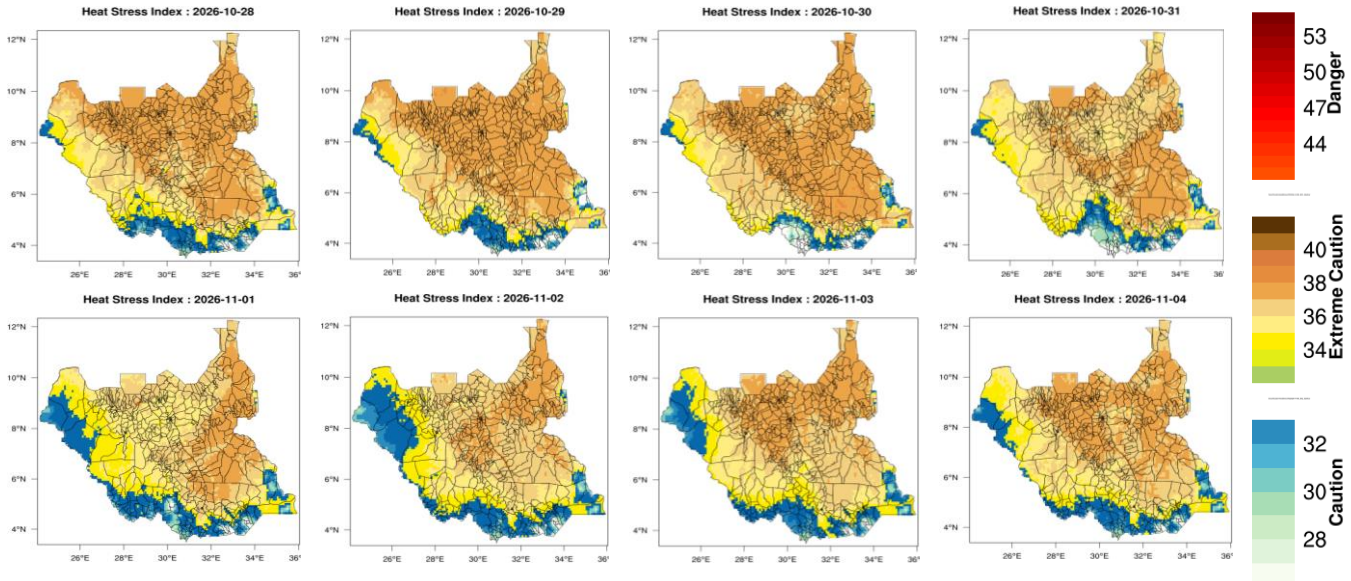
Alerts: The Heat Stress Index forecast indicates **Extreme Caution** conditions on selected days and across several locations in South Sudan.

Alert dates: 28, 29 and 30 October and 04 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 expected across parts of the Southern and western parts of South Sudan.

The Heat Stress Index on 05 and 06 May 2026 is expected to reach the most serious warning level, with temperatures exceeding 40 °C, necessitating immediate action over most states of South Sudan.



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Figure 5. Heat Stress Index forecast

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 farming, livestock movement, pasture monitoring, and water-resource management.

- **Transport and Infrastructure:**
  Monitor rainfall impacts on roads, bridges, and infrastructure, especially in flood-prone areas.

- **Health:**
  Strengthen public health awareness, promote safe water and sanitation, and monitor rainfall-related health risks.

- **Disaster Risk Management and Emergency Services**:
  Strengthen early-warning dissemination, monitor updated forecasts, and prepare for 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 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.

CONTACT INFORMATION

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