

Weekly Rainfall and Temperature Outlook and Monitoring

Highlights

Outlook for 21 to 28 May 2025

- Wet conditions are expected over most parts of South Sudan from 21 to 28 May 2025.
- **Forecast Mean Temperatures** of more than 30°C cover Raja.
- **Heat stress is expected to reach a serious level (Extreme Caution) on 24 May 2025 in the Abyei Administration Area, Unity State, and Northern Upper Nile State. This will impact cattle and human health.**

Last week's weather review: 12th May to 18th May 2025

- Dry conditions of less than 25 mm were most of South Sudan last week, 12th to 18th May 2025

Thus, it is recommended that the general population adopt the following safety measures:

- Public awareness campaigns should focus on staying hydrated, limiting outdoor activities during peak heat hours, and wearing light, breathable clothing.
- Encourage efficient water use and pre-position resources in areas forecasted for hotter and drier conditions
- Inspect your home. Remove leaves and debris from gutters, and clear your storm drains and drainage areas of any debris before the rain in Southern South Sudan areas.
- It's good to stay updated on meteorological services advisories, especially in regions expecting hotter and drier conditions
- Monitor weekly forecast updates from meteorological services

Notes

The South Sudan Meteorological Department's Weekly Rainfall and Temperature Outlook and Monitoring offers concise and 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 in improving community readiness and economic stability by accelerating short-term decision-making processes.

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Rainfall Forecast for 21 to 28 May 2025

Heavy rainfall exceeding 200 mm, surpassing 10% of the record, is expected in the southern parts of Western Bahar el Gazal State and Western Equatoria State.

Moderate Rainfall (over 50 mm, exceeding the top 10% on record) is anticipated over most States of South Sudan.

Light rainfall (less than 50 mm) is anticipated over eastern parts of Central Equatoria State, eastern parts of Eastern Equatoria State, Northern Upper Nile State and Northern Western Bahar el Gazal State.

Total Rainfall (mm) for 21-28 May 2025

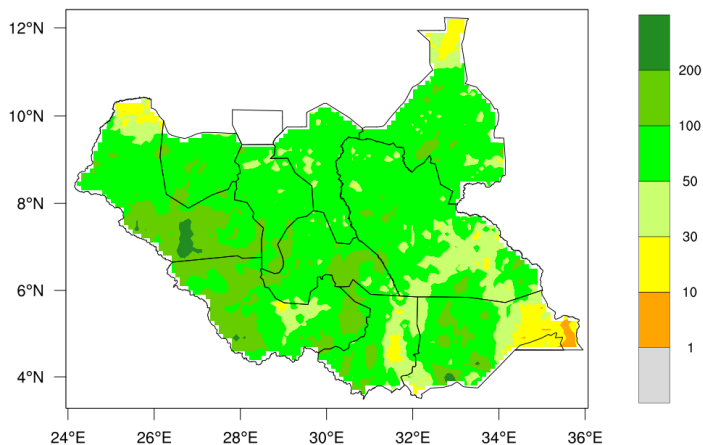


Figure 1a: Outlook for 21 to 28 May 2025 Total Rainfall

Mean Temperature (C) for 21-28 May 2025

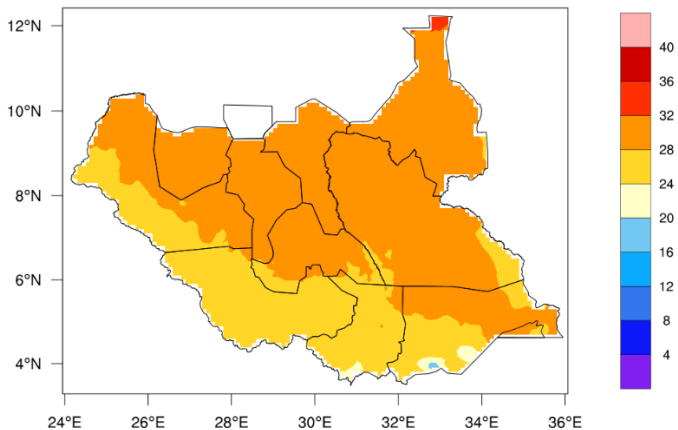


Figure 2: Outlook for 21 to 28 May 2025 Mean Temperature

Mean Temperature Outlook for 21 to 28 May 2025

From May 21 to May 28, 2025, the average Temperature is expected to range between 24 °C and 32 °C over most parts of South Sudan. It will be more than 32 °C over the northern parts of Upper Nile State (El Renk).

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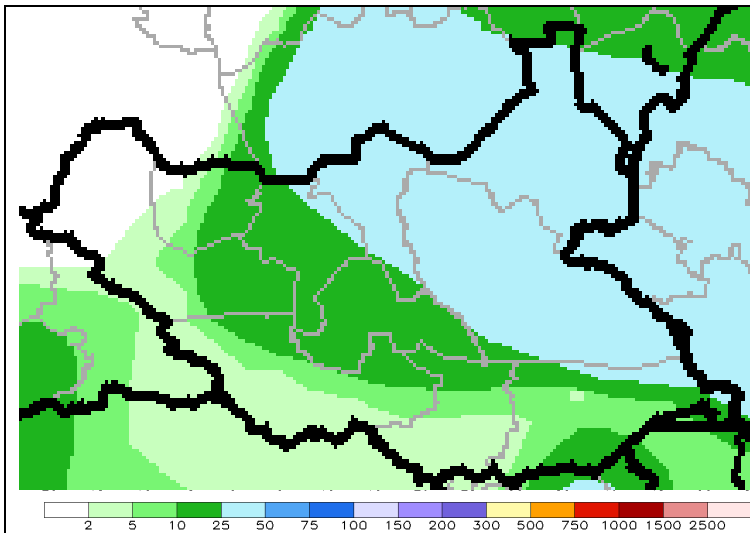


Figure 3a: past week Satellite& Gauge Estimated Rainfall(mm)

Source: NOAA/CPC

Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for May 05 to May 11 2025

During the past week, most parts of South Sudan have been dry, while the Bibor Administration Area, Jonglei State, most parts of Upper Nile State and Unity State have had rainfall of more than 25 mm.

Heat Stress Index for 21 to 28 May 2025

According to the Heat Stress index below, 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.

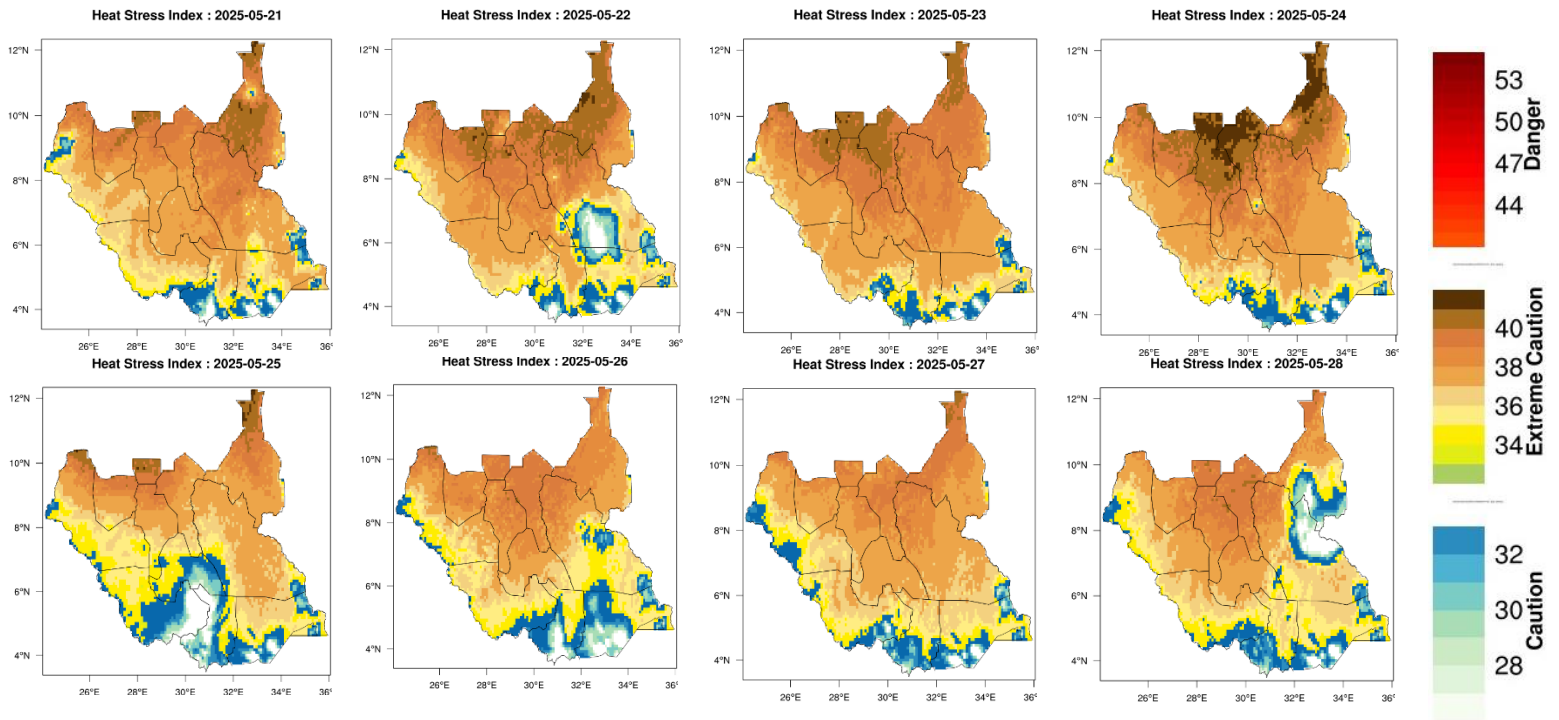
The second was Extreme Caution, which implies a higher level of risk compared with the first one (Caution), It suggests that the situation is more dangerous or precarious and requires heightened awareness and vigilance.

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.



South Sudan Meteorological Services

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