



## Weekly Rainfall and Temperature Outlook Monitoring and Forecast

### Highlights

#### Last week's weather review: 02 to 08 March 2026

- During the past week, most parts of South Sudan were in dry conditions.
- Some parts of South Sudan received light rainfall of 02 to 40 mm for 09-15 March 2026
- The highest Temperature was recorded in Narus and Aweil at 41.5 °C and 41°C on 14&15 Mar 2026.

#### Forecast for 18- 25 March 2026

- **Moderate to Light rainfall** (less than 100 mm) is expected over the South Sudan.
- **Most parts of South Sudan will experience elevated temperatures of about 38°C in northern and central parts of Country, which will cause heat stress, with up to 6-8 days of heat stress from 18-25 March 2026**

### Recent Rainfall and Temperature Observations

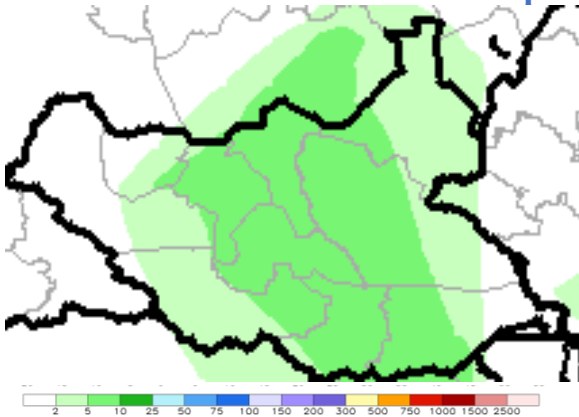


Figure 1: Past week Satellite & Gauge Estimated Rainfall(mm)

Source: NOAA/CPC

#### Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 09-15 March 2026

During the past week, most parts of South Sudan experienced rainfall conditions. Indicates accumulations between **(0 and 40 mm)** across South Sudan. The highest rainfall totals **(20–40 mm)** were concentrated over the central to southeastern parts of South Sudan, while lower amounts (less than **20 mm**) dominate elsewhere.

In recent days, temperature records at Narus and Aweil indicate a warming trend, with maximums of 41.5 °C and 41°C on the 14 and 15 of March 2026.

Station	Date						
	09-Mar-26	10-Mar-26	11-Mar-26	12-Mar-26	13-Mar-26	14-Mar-26	15-Mar-26
<b>Juba</b>	38	34	35.5	36.5	34	37	38.5
<b>Bor</b>	38	35.5	36	36	36	38	37
<b>Torit</b>	37	31	36	37.5	34	39	37
<b>Narus</b>	36.5	36	38.5	39.5	40	<b>41</b>	<b>41.5</b>
<b>Yei</b>	34	30.5	30.5	35	32	34.5	35
<b>Yambio</b>	35.5	32	33	33	31	34	34
<b>Pibor</b>	38.5	34	36	36	36.5	38.5	37
<b>Rumbek</b>	36	36	35.5	32	34	35	34
<b>Wau</b>	36	35	38	37	39	39	40
<b>Aweil</b>	37.5	36	38	39	40	<b>41</b>	<b>41</b>

Table 1 Recent maximum temperature records for South Sudan

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### Rainfall Forecast for 18-25 March 2026

The forecast for this week (18-25 March 2026) indicates Moderate rainfall (less than 100 mm) is expected over most of the Western Equatoria State, Southwestern of Central Equatoria State, Eastern of Eastern Equatoria & Pibor Administration Area, Northern parts of Jonglei State, Southern parts of the Upper Nile State, most parts of Unit State, Warrap State, and Abyei Administration Area, while Light rainfall (less than 30 mm) is expected in some parts of the Country. In terms of rainfall anomalies, near-normal wet-season conditions are expected across South Sudan, ranging from 20 to 60 mm.

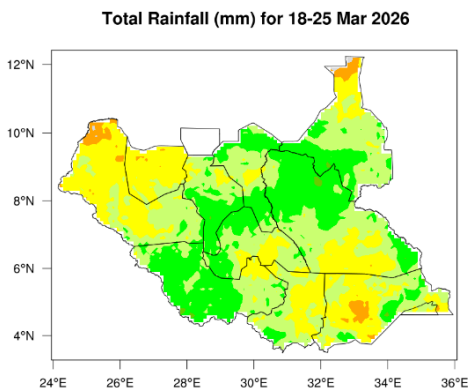


Figure 2a: Total rainfall (mm) forecast for 18-25 March 2026

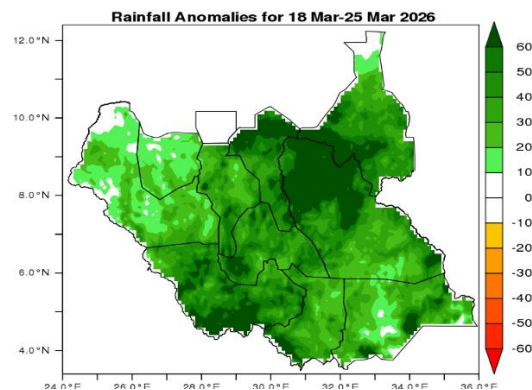


Figure 2b: Rainfall anomalies for 18-25 March 2026

### Mean Temperature and Heat Stress Forecast for 18-25 March 2026

The forecast for this week (18-25 March 2026) Forecast probabilities for moderate average temperature (24-32°C) over most parts of South Sudan, With Temperatures above 32°C over the Southern Pibor Administration Area, and El Renk in the northern parts of Upper Nile. According to Figure 3b for Temperature Anomalies, warmer-than-usual temperatures are expected over western and northeastern parts of South Sudan and colder-than-usual temperatures over eastern parts of South Sudan this week. Based on the heat index in Figure 3c, forecasts indicate the number of days within the respective week when the heat index falls into the extreme caution category. Show that most parts of South Sudan will experience elevated temperatures of 38°C in northern Lake State, same parts of Pibor Administration Area, northern parts of Jonglei State, Upper Nile, Unity State, Warrap State, Northern Bahar el Gazal State, and Abyei Administration Area, which will cause heat stress, with up to 6-8 days of heat stress from 18-25 March 2026.

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### Weekly Rainfall and Temperature Outlook Monitoring and Forecast

Mean Temperature (C) for 18-25 Mar 2026

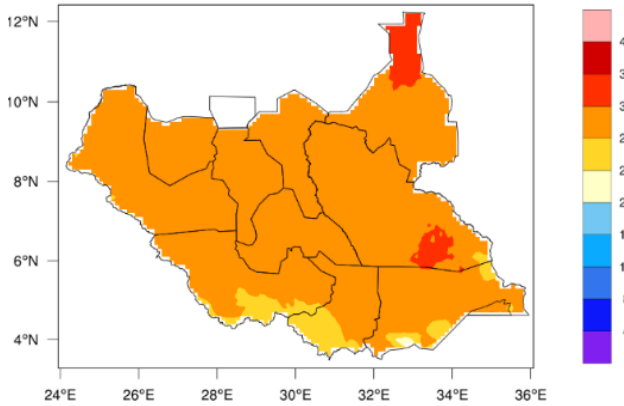


Figure 3a: Mean Temperature ( $^{\circ}$ C) forecast for 18-25 March 2026

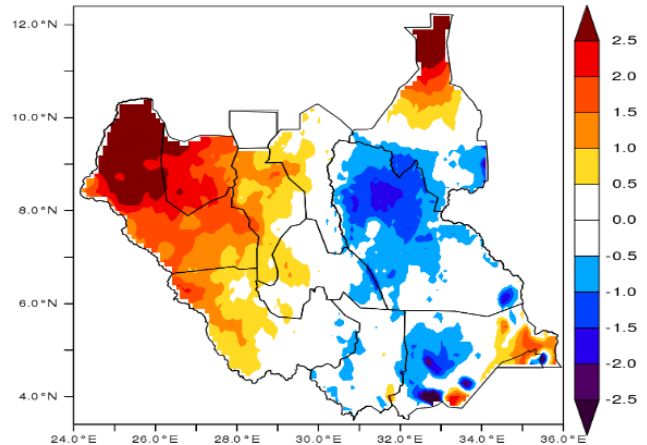


Figure3b: Temp. Anomalies ( $^{\circ}$ C) forecast for 18-25 March 2026

Days with heatstress > 38.0 (20260318-20260325)  
Masked by SouthSudan

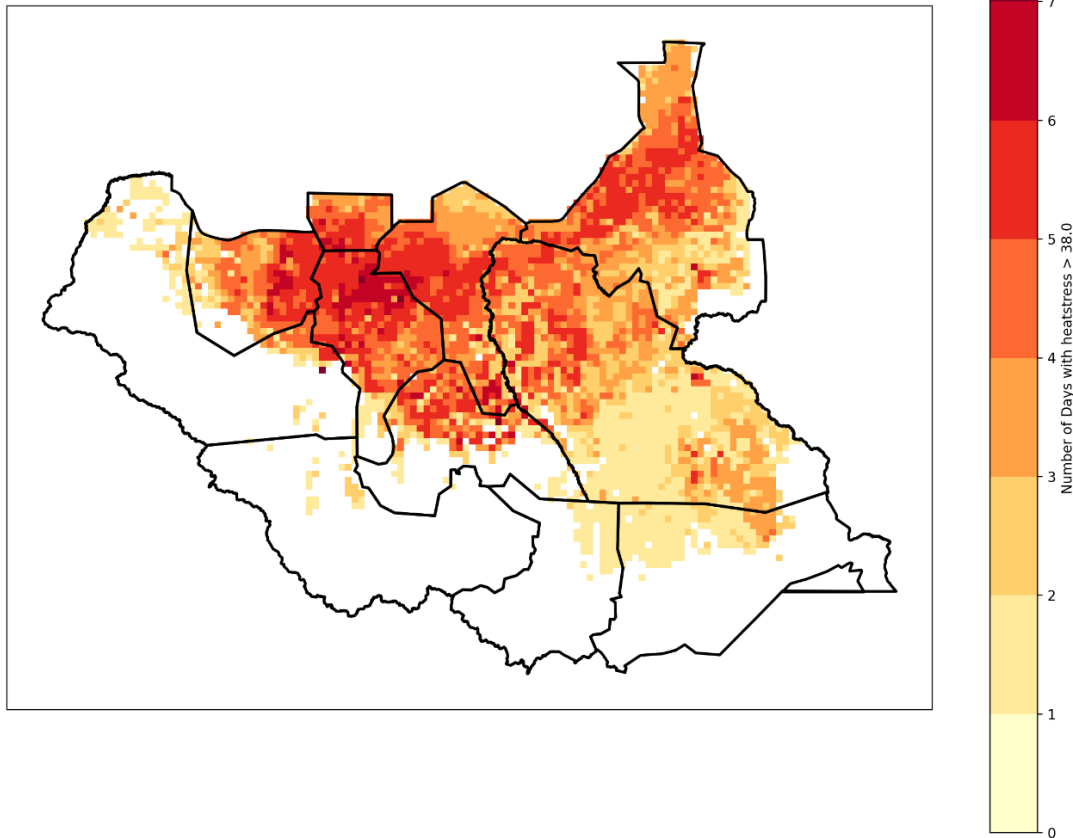


Figure3b: Day with Heat Stress Index forecast for 18-25 March 2026

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**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 such as 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 during the daytime maximums and drink water frequently.**
- 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 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.