



South Sudan Meteorological Services

## Weekly Rainfall and Temperature Outlook Monitoring and Forecast

### Highlights

#### Last week's weather review: 23-02 to 01-03 2026

- During the past week, most parts of South Sudan were in dry conditions.
- Southern of Central Equatorial received light rainfall of 05 -10 mm.
- The maximum Temperature was recorded in Wau at 37.5<sup>0</sup> C on 23<sup>th</sup> & 24<sup>th</sup> February 2026.

#### Forecast for 05- 12 March 2026

- **Light rainfall** (less than 10 mm) is expected over most parts of Central Equatoria, Eastern Equatoria, and southeast parts of the Pibor Administration Area.
- **The hottest conditions** are expected on most parts of Jonglei State, and the southern parts of Upper Nile State experienced elevated heat stress more than 34°C, with up to 5-7 days of heat stress.
- **The strong winds** (06–12 m/s) are expected over Upper Nile State.

### Recent Rainfall and Temperature Observations

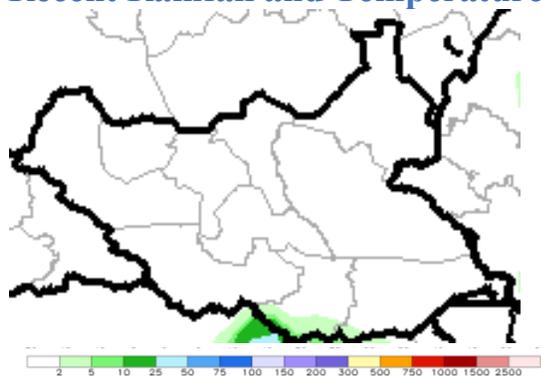


Figure 1: Past week Satellite & Gauge Estimated Rainfall (mm) Source: NOAA/CPC

#### Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 23 Feb.- 01 March 2026

During the past week, most parts of South Sudan did not experience rainfall conditions. In contrast, most Southern parts of Central Equatoria State received light rainfall of about 5 - 10 mm.

In recent days, temperature records at Wau indicate a warming trend, with maximums of 37.5 °C on the 23 and 24<sup>th</sup> of February 2026.

Station	Date						
	23-Feb-26	24-Feb-26	25-Feb-26	26-Feb-26	27-Feb-26	28-Feb-26	01-Mar-26
<b>Juba</b>	30	35.5	30.5	35	35	35	35
<b>Bor</b>	33.5	34	35	34	35	36	32.5
<b>Torit</b>	36.5	36.5	35	37	35	35.5	35.5
<b>Narus</b>	34	32	32.5	33	34	34.5	33
<b>Yei</b>	33.5	35.5	35.5	34.5	33	29	28
<b>Yambio</b>	32	32	33	33	32	33	31
<b>Pibor</b>	37	36.5	34.5	36.5	37	34	34
<b>Rumbek</b>	35	34	34	35.5	35	34	35
<b>Wau</b>	<b>37.5</b>	<b>37.5</b>	37	36.5	36	36.5	36
<b>Aweil</b>	34	32	34	34	35	35	34

Table 1 Recent maximum temperature records for South Sudan

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### Rainfall Forecast for 05-12 March 2026

The forecast for this week (05-12 March 2026) indicates light rainfall in the Central Equatoria State, Eastern Equatoria State, and the southeast parts of the Pibor Administration Area. In terms of rainfall anomalies, the usual dry-season conditions are expected across South Sudan between 0 and 10 mm. However, localised rainfall is likely over the eastern parts of Eastern Equatoria State, particularly in Kapoeta, where totals of 20-40 mm are forecast.

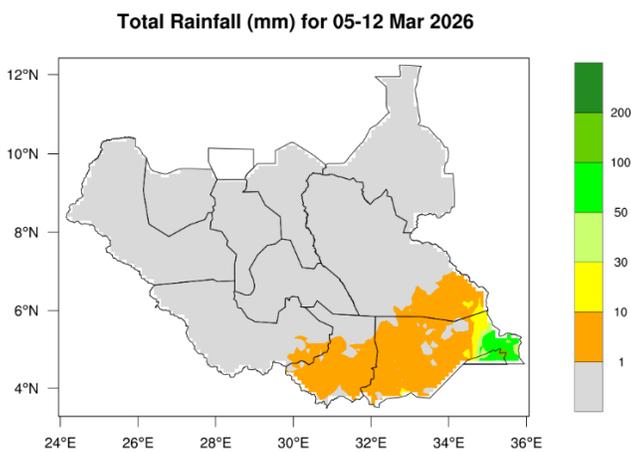


Figure2a: Total rainfall (mm) forecast for 05-12 March 2026

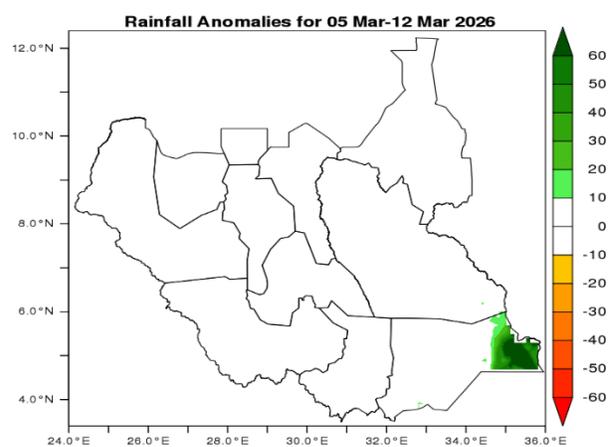


Figure2b: Rainfall anomalies for 05-12 March 2026

### Mean Temperature and Heat Stress Forecast for 05-12 March 2026

The forecast for this week (05-12 March 2026) indicates that average temperatures are above 24 °C, with actual daily maximums above 28 °C on all days, especially in the northern parts of central & eastern equatorial, Pibor Administration Area, most parts of Jonglei state, Lake state and most parts of Upper Nile State. According to Figure 3b for Temperature Anomalies, cold-than-usual temperatures are expected over South Sudan this week, warmer-than-usual temperatures are expected over Central Equatorial. 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 the central equatorial, eastern equatorial, the Pibor Administration Area, most parts of Jonglei State, and the southern parts of Upper Nile State experienced elevated heat stress more than 34°C, with up to 5-7 days of heat stress from 05-12 March 2026.

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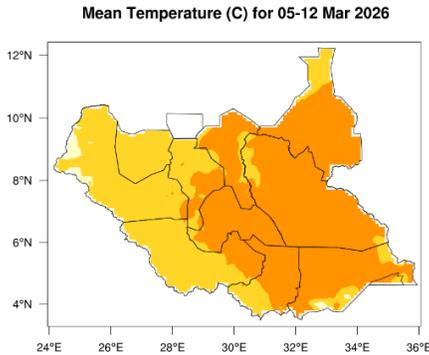


Figure3a: Mean Temperature (°C) forecast for 05-12 March 2026

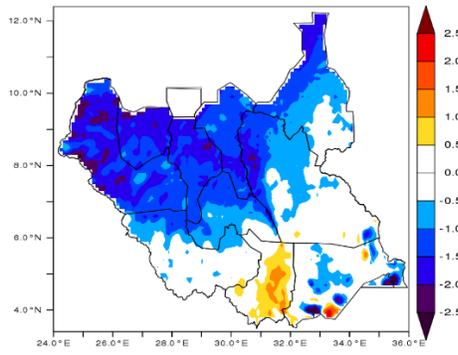


Figure3b: Temp. Anomalies (°C) forecast for 05-12 March 2026

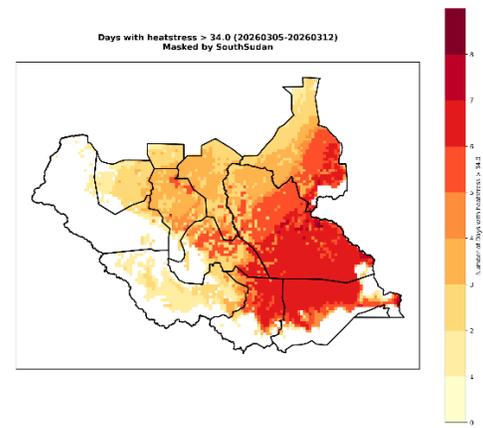


Figure3b: Day with Heat Stress Index forecast for 05-12 March 2026

### Wind Forecast for 05-12 March 2026

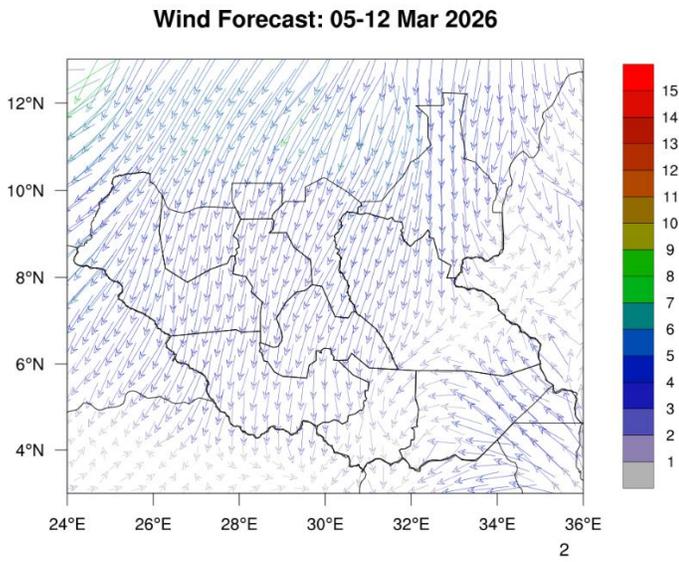


Figure 4: Wind (Direction and Speed) forecast for 05-12 Mar 2026

### Wind direction and speed Forecast for 05-12 March 2026

The forecast for this week (05-12 Mar 2026) indicates northeasterly winds are expected to dominate across most parts of South Sudan. Generally, wind speeds are forecast to range between 2 and 5 meters per second (2–5 m/s) over southern and southeastern South Sudan, while moderate to strong winds are expected from eight to twelve meters per second (6–12 m/s) over Jonglei and parts of central Equatoria, and stronger northern and northeastern parts of Upper Nile State. The forecast pattern is consistent with the prevailing dry-season continental airflow.

### Maximum Temperature Forecast for 05-12 March 2026

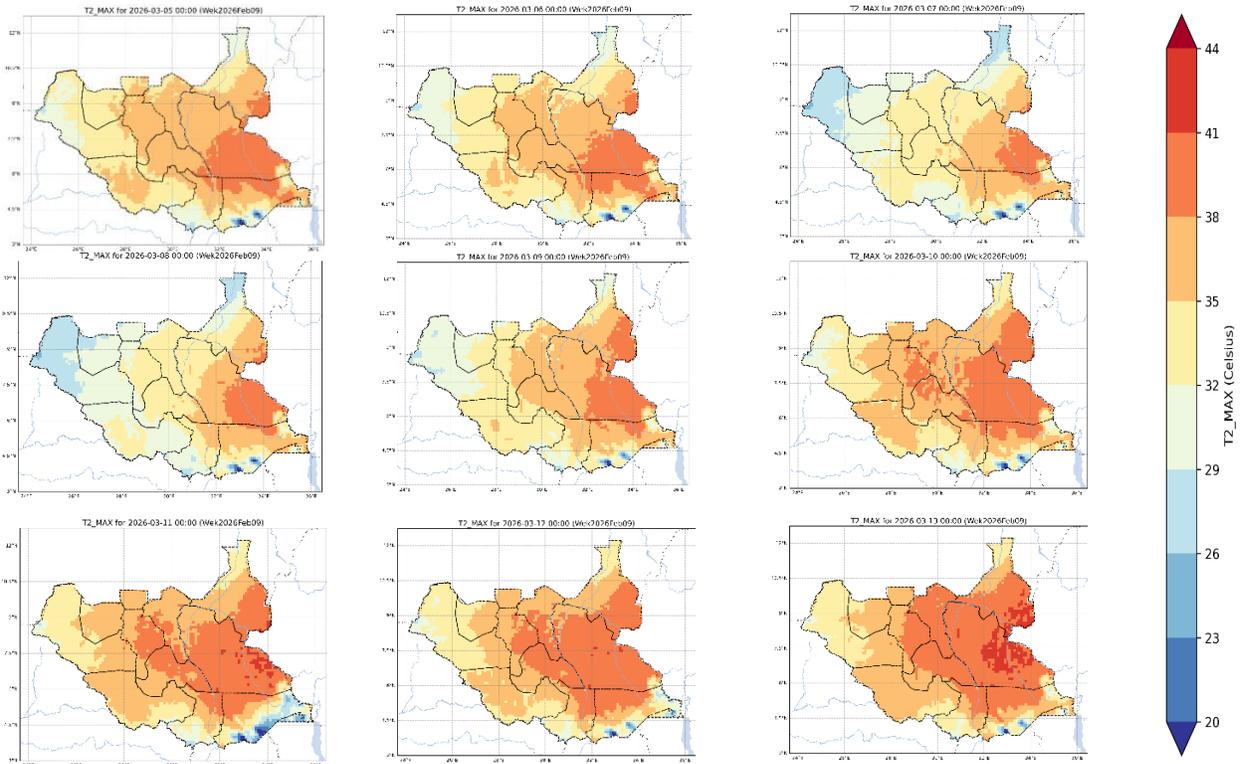
The forecast for this week (05-12 March 2026) indicates that maximum temperatures will be highest in central, northern and northeastern South Sudan, with temperatures exceeding 38°C. The hottest conditions are expected on 10, 11, 12, and 13 March 2026.

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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.

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