



## Weekly Rainfall and Temperature Outlook Monitoring and Forecast

### Highlights

#### Last week's weather review: 16-22 Feb. 2026

- During the past week, most parts of South Sudan were in dry conditions.
- While Southwestern and Southern of South Sudan received light rainfall of about 5 - 10 mm.
- The maximum Temperature was recorded in Narus and Aweil at 40 & 40.5<sup>o</sup> C on 16<sup>th</sup> & 17<sup>th</sup> February 2026.

#### Forecast for 25 February to 04 March 2026

- **The hottest conditions** are expected on 25,26, 27,28 February, and 01 March 2026. From 02 to 05 March 2026, the hottest conditions are only over northern eastern Equatoria, Bibor administration area, southern parts of Jonglei state and southeastern upper Nile state.
- **The moderate to strong northeasterly winds** (08–12 m/s) are expected over northern and northeastern South Sudan, consistent with typical dry-season continental airflow.

### Recent Rainfall and Temperature Observations

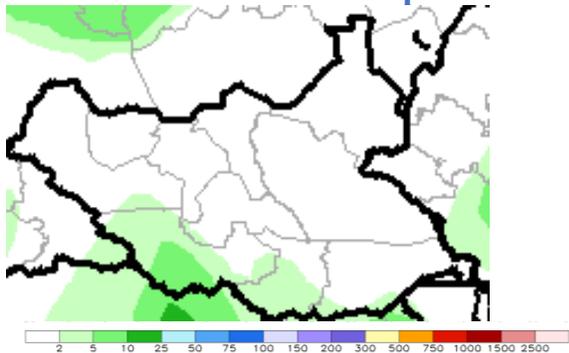


Figure 1: Past week Satellite & Gauge Estimated Rainfall(mm) Source: NOAA/CPC

#### Monitoring last week's Satellite & Gauge Estimated Rainfall (mm) for 16-22 Feb. 2026

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

In recent days, temperature records at Narus and Aweil Gokmachar indicate a warming trend, with maximums of 40 and 40.5 °C on the 16<sup>th</sup> and 17<sup>th</sup> of February 2026.

Station	Date						
	16-Feb-26	17-Feb-26	18-Feb-26	19-Feb-26	20-Feb-26	21-Feb-26	22-Feb-26
<b>Juba</b>	37.5	37.5	34.5	34	35.5	36	36.5
<b>Bor</b>	37.5	37.5	32.5	31.5	36	38	35.5
<b>Torit</b>	36	37	29	34.5	35	32	35
<b>Narus</b>	40	40.5	38.5	36	36.5	38.5	37
<b>Yei</b>	37.5	38	32.5	35	37	32.5	31
<b>Yambio</b>	31	34.5	30	31	34	28	32
<b>Pibor</b>	37	39	37	32	35.5	36	38
<b>Rumbek</b>	35	37	27.5	33.5	34	30.5	31.5
<b>Wau</b>	39	39.5	38	36	36	37.5	37.5
<b>Aweil</b>	39.5	40	38	35.5	37.5	38.5	37.5

Table 1 Recent maximum temperature records for South Sudan

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### Rainfall Forecast for 25 Feb- 04 March 2026

The forecast for this week (25 Feb- 04 March 2026) indicates light rainfall in the western Equatoria State, Central Equatoria State, and eastern parts of Eastern Equatoria State. In terms of rainfall anomalies, the usual dry-season conditions are expected across South Sudan between 0 and 10 mm.

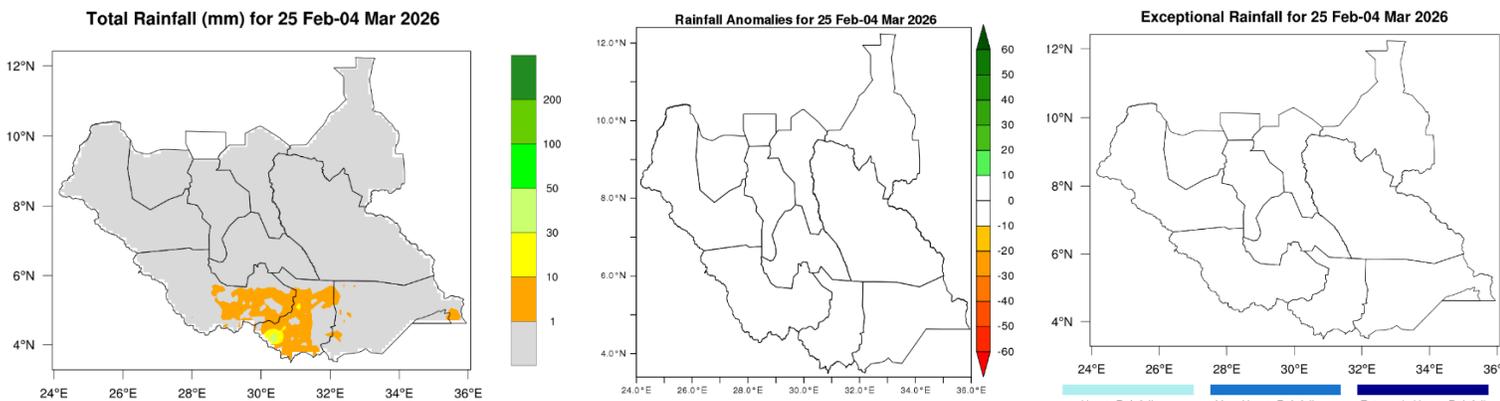


Figure2a: Total rainfall (mm) forecast for 25 Feb- 04 March 2026

Figure2b: Rainfall Anomalies (mm) forecast for 25 Feb- 04 March 2026

Figure2c: Exceptional Rainfall forecast for 25 Feb- 04 March 2026

### Mean Temperature and Heat Stress Forecast for 25 Feb- 04 March 2026

The forecast for this week (25 Feb- 04 March 2026) indicates that average temperatures are above 28 °C, with actual daily maximums above 32 °C on all days, especially in the northern parts of central& eastern equatorial, Pibor Administration Area, most parts of Jonglei state, Lake state and Southeastern parts of Upper Nile State. According to Figure 3b for Temperature Anomalies, cold-than-usual temperatures are expected over 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 the Pibor Administration Area experienced elevated heat stress more than 34°C, with up to 4-7 days of heat stress from 25 Feb. to 04 March 2026.

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Mean Temperature (C) for 25 Feb-04 Mar 2026

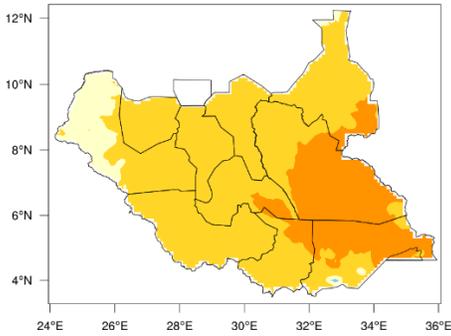


Figure3a: Mean Temperature ( $^{\circ}$ C) forecast for 25 Feb- 04 March 2026

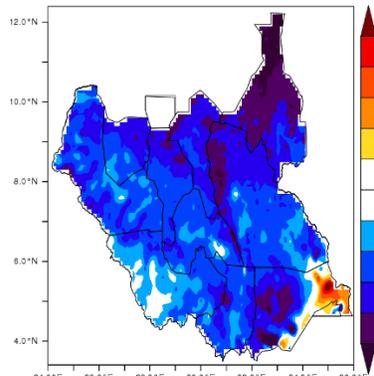


Figure3b: Temperature Anomalies forecast for 25 Feb- 04 March 2026

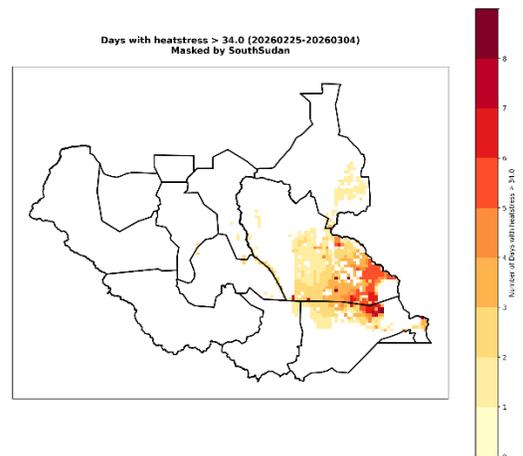
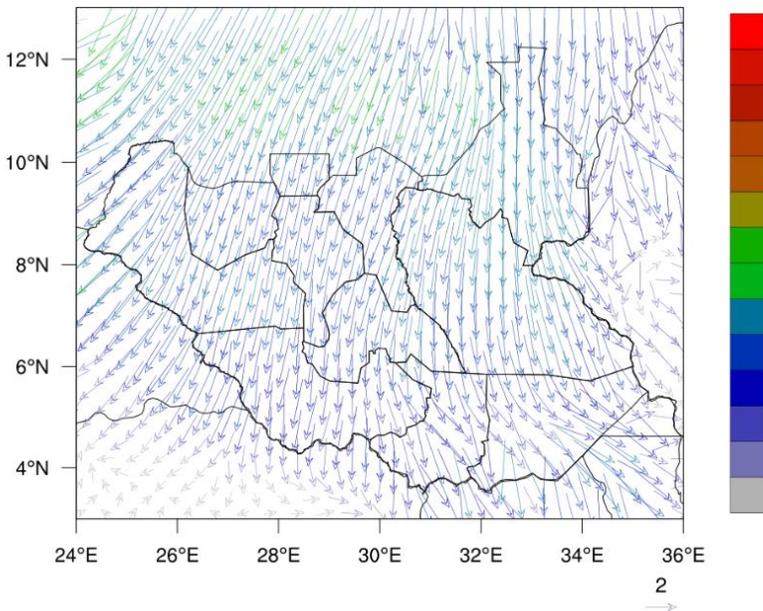


Figure3c: Day with Heat Stress Index forecast for 25 Feb- 04 March 2026

## Wind Forecast for 18-25 Feb 2026

Wind Forecast: 25 Feb-04 Mar 2026



## Wind direction and speed Forecast for 25 Feb-04 Mar 2026

The forecast for this week (25 Feb- 04 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 western and southern South Sudan, while moderate to strong winds are expected from eight to twelve meters per second (8–12 m/s) over northern and northeastern South Sudan. The forecast pattern is consistent with the prevailing dry-season continental airflow.

Figure 4: Wind (Direction and Speed) forecast for 25 Feb-04 Mar 2026

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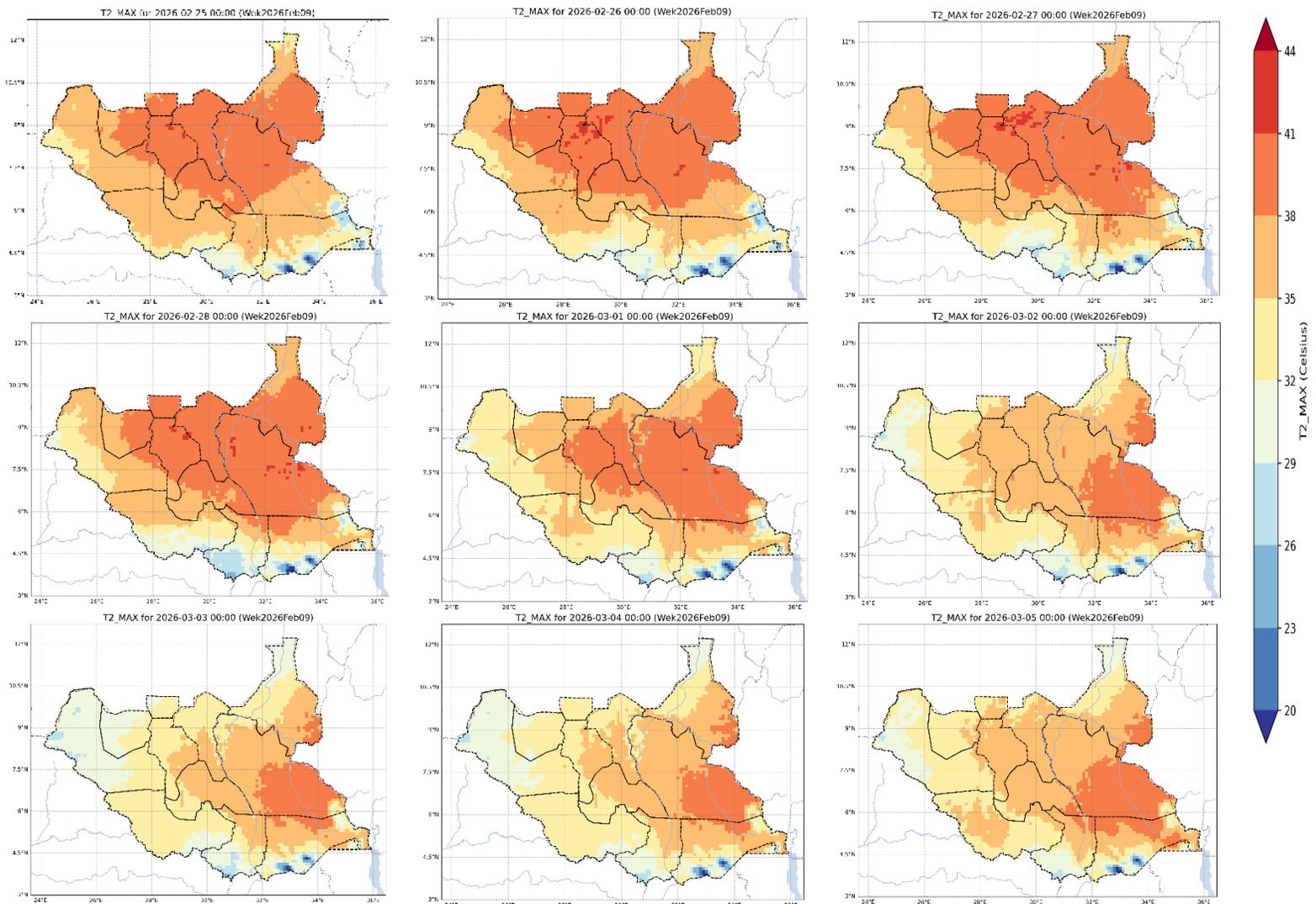


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### Maximum Temperature Forecast for 25 Feb- 05 March 2026

The forecast for this week (25 Feb- 04 March 2026) indicates that maximum temperatures will be highest in central and northeastern South Sudan, with temperatures exceeding 38°C. The hottest conditions are expected on 25, 26, 27, 28 February 2026 and 01 Mar 2026, and from 02 to 05 March 2026, the hottest conditions are only over Northern Eastern Equatoria, Bibor Administration Area, Southern parts of Jonglei State, and Southeastern Upper Nile State. While the Southern and western parts of South Sudan are expected to experience the lowest maximum temperature, 23 °C to 35 °C. on 02, 03, 04, and 05 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.