

2026

# CLIMATE BULLETIN



DEKAD 1, May (1-10)

GMET/CLIMATE/010526

FORM337

5/1/2026

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## SUMMARY

- **Rainfall:**
  - Most areas received rainfall above 20mm
  - Yendi received the highest rainfall of 105.9 mm.
  - Highest rainy days was 5 days
- **Rainfall Anomalies:**
  - Few areas recorded surplus rainfall
  - Most areas in the entire country especially in the transition experienced deficit rainfall.
- **Temperatures:**
  - **Maximum:**
    - Above normal temperatures at most parts of the country.
    - The maximum of the Maximum temperature of 38.7°C was recorded in Navrongo
    - Relatively cooler temperatures around Abetifi, Axim, Akatsi, Ada.
  - **Minimum:**
    - Warmer temperatures around Yendi, Navrongo and Tamale
    - Above normal temperatures in almost the entire country
    - The minimum of the Minimum temperature was recorded in Abetifi, reaching 21.07°C.

## 2.0 RAINFALL AND TEMPERATURE DISTRIBUTION

### 2.1 RAINFALL

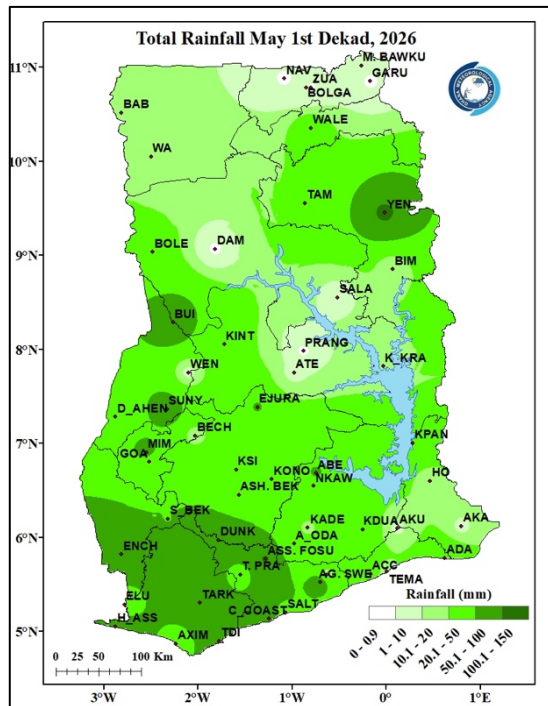


Figure 3a. Total Rainfall May 1<sup>st</sup> Dekad, 2026

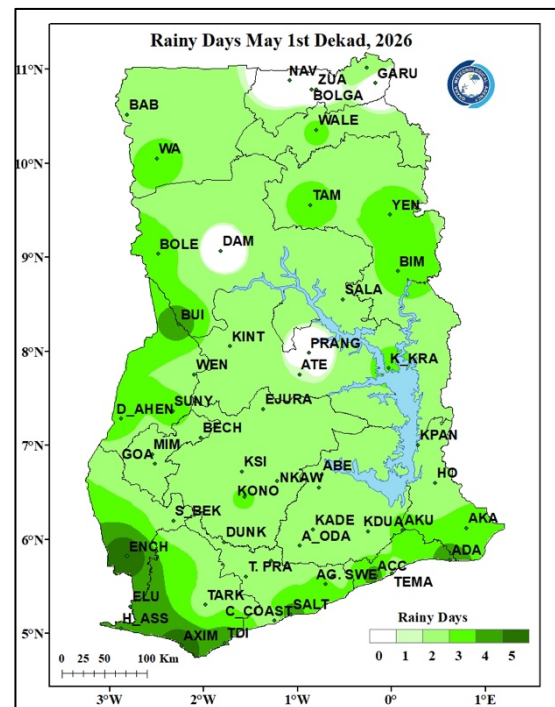


Figure 3b. Rainy Days May 1<sup>st</sup> Dekad, 2026

Figure 3a presents the spatial distribution of rainfall across Ghana during the first ten-day period (dekad) of May. During this period, Yendi recorded the highest total rainfall, amounting to 105.9 mm. Generally, the entire country received moderate to relatively high rainfall, while a few areas in the northern sector show lower totals during this dekad.

Figure 3b illustrates the frequency of rainy days within the same period. Most areas across Ghana, spanning from the Northern to the Southern zones, recorded between two (2) and three (3) rainy days. Places such as Garu, Damongo, Navrongo recorded (0) rainy day.

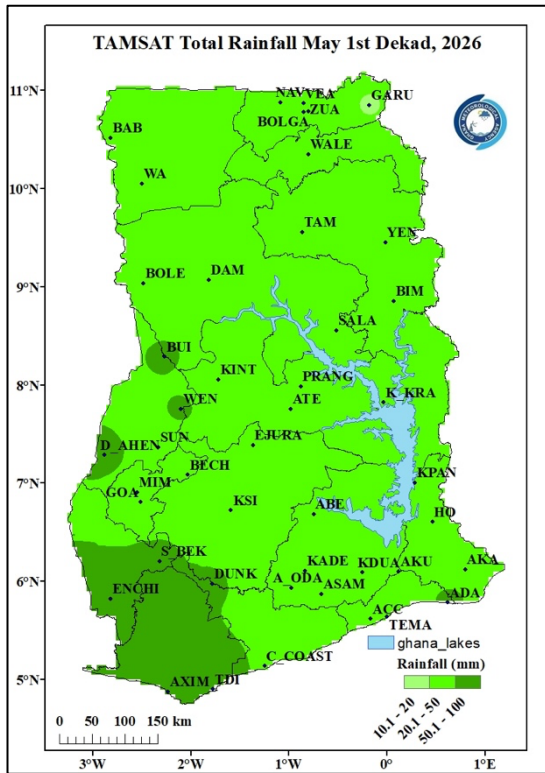


Figure 4. TAMSAT Total Rainfall May 1<sup>st</sup> Dekad, 2026

Figure 4 shows TAMSAT total rainfall in Ghana for the May 1st dekad (2026). Rainfall totals vary across the country, ranging from relatively low amounts (10 mm) to higher totals (up to about 100 mm). In general, most regions recorded moderate to high rainfall, with the wettest areas mainly in the south-western areas. This satellite data validated the ground observation data especially in the areas in the South-western sector.

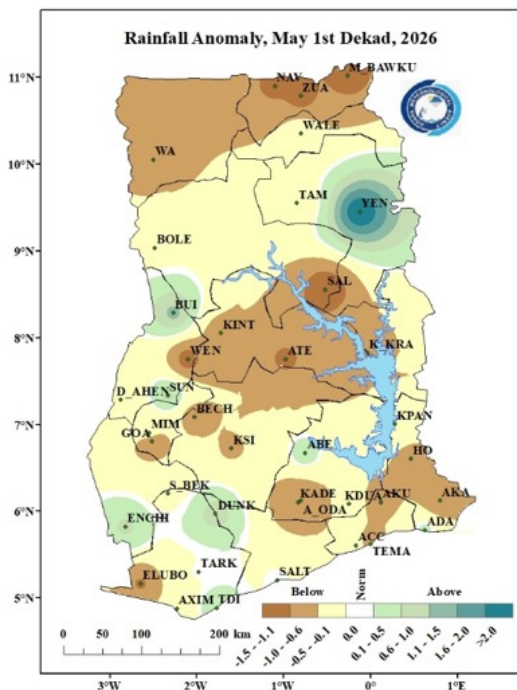


Figure 5: Rainfall Anomaly for May 1<sup>st</sup> Dekad, 2026

Figure 5 highlights areas across the country that experienced deviations from normal rainfall during the reporting period. Notably, most locations in the northern sector and parts of the transition recorded rainfall deficit. In contrast, smaller pockets of wetter-than-normal conditions were also observed around Yendi, Bui, Abetifi, and parts of the southwestern sector.

## 2.2 TEMPERATURE

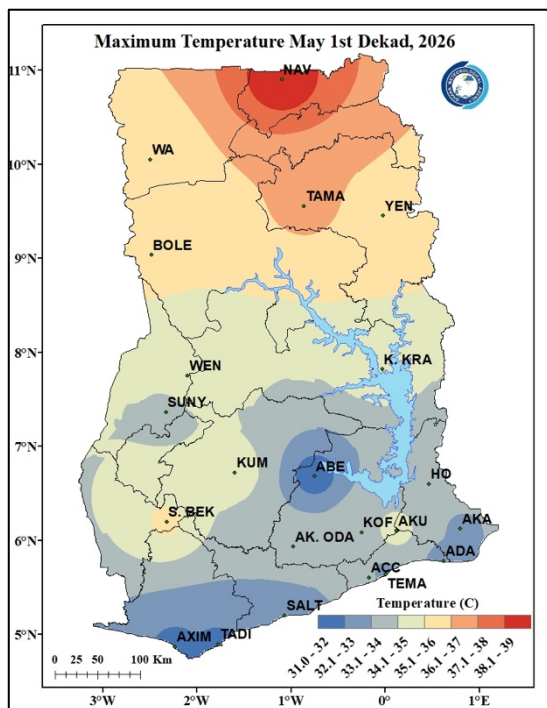


Figure 6a. Maximum Temperature May 1st Dekad, 2026

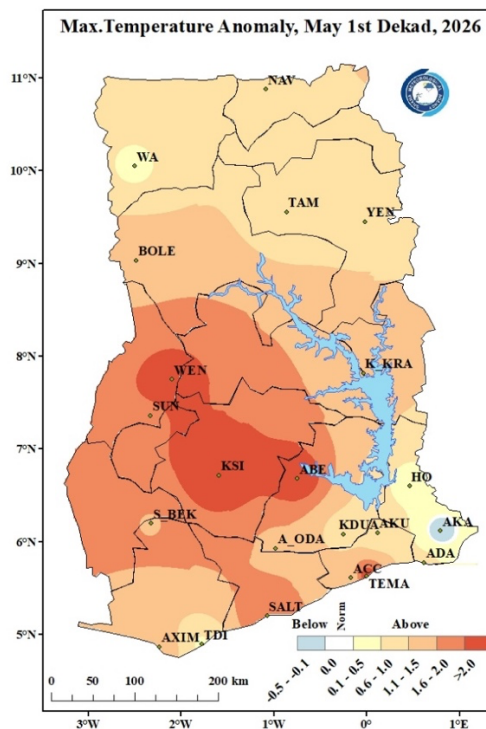


Figure 6b. Maximum Temperature Anomaly May 1st Dekad, 2026

Figure 6a displays the distribution of average Maximum temperatures across the country. During the reporting period, the northern belt of Ghana recorded the highest temperatures, ranging from 35.0°C to 39.0°C. The highest temperature, 38.7°C, was observed in Navrongo, while the lowest, 31.27°C, was recorded in Abetifi. In the southern sector, temperatures generally ranged from 31 to 34°C. A few places like Abetifi, Axim, Ada, Saltpond recorded relatively low temperatures.

Figure 6b illustrates the Maximum Temperature Anomalies across the country. Almost the entire country exhibited above-normal to near-normal temperatures, except for Akatsi, which recorded below-normal temperatures indicating localized cooler-than-average conditions for this time of year

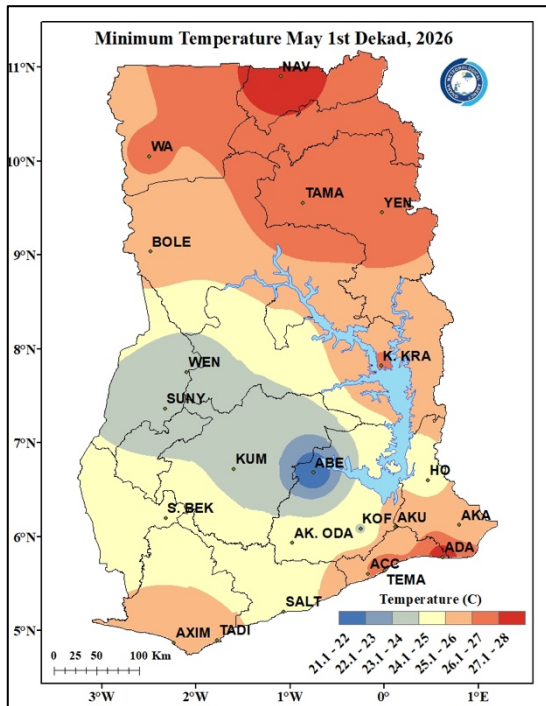


Figure 7a. Minimum Temperature May 1<sup>st</sup> Dekad, 2026

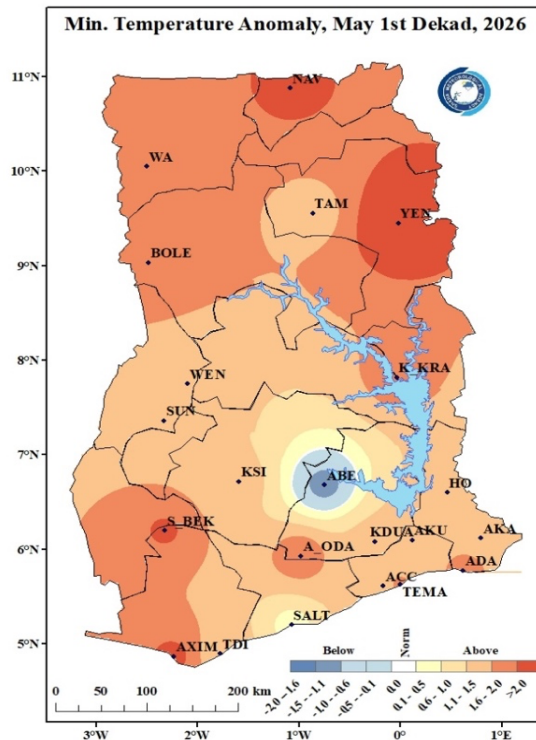


Figure 7b. Minimum Temperature Anomaly May 1<sup>st</sup> Dekad, 2026

In *Figure 7a*, the average minimum temperatures varied across different regions. The Northern zones and areas along the coast of the country (Navrongo, Wa, Tamale, Yendi, Accra, and Ada) experienced relatively warmer temperatures, with average values ranging from 25°C to 28.0°C. In contrast, the remaining portions areas such as Sunyani, Abetifi, Kumasi, Wenchi to mention a few experienced relatively cooler average nighttime temperatures ranging from 21.0°C to 24.0°C. The lowest average nighttime temperature was recorded in Abetifi, reaching 20.36°C.

In *figure 7b*, we see the Minimum Temperature Anomaly. It is evident that, most parts of the country experienced above normal temperatures indicating increasing nighttime temperatures. However, areas around experienced below normal minimum temperatures.

### 3.0 RAINFALL AND TEMPERATURE OUTLOOK 1<sup>ST</sup>- 14<sup>TH</sup> MAY 2026

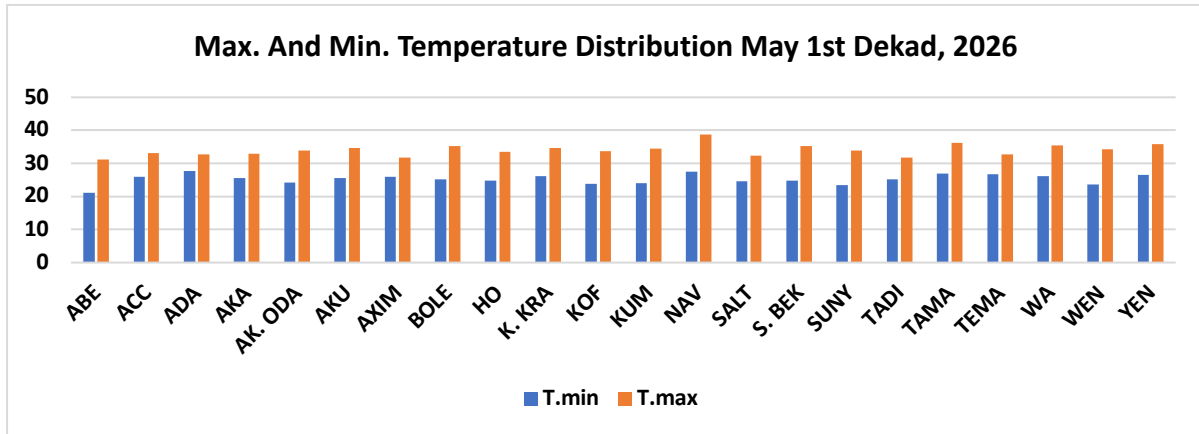
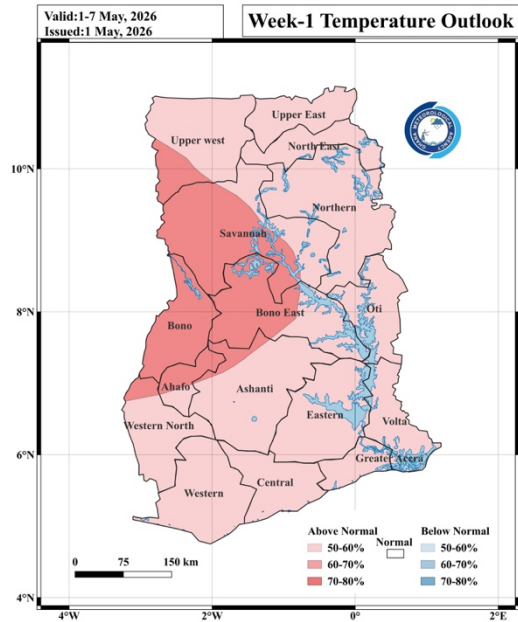
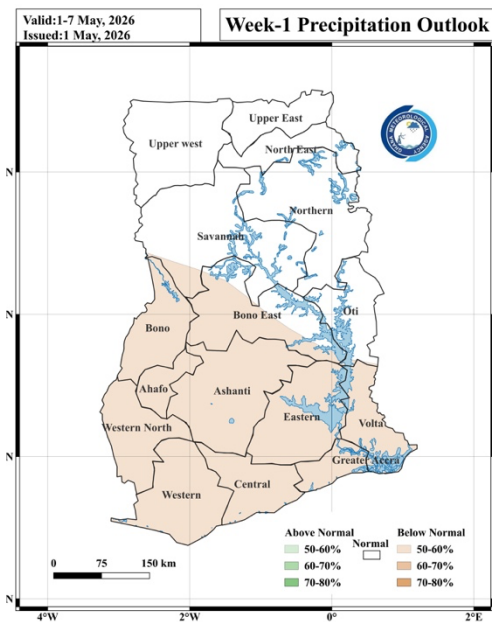
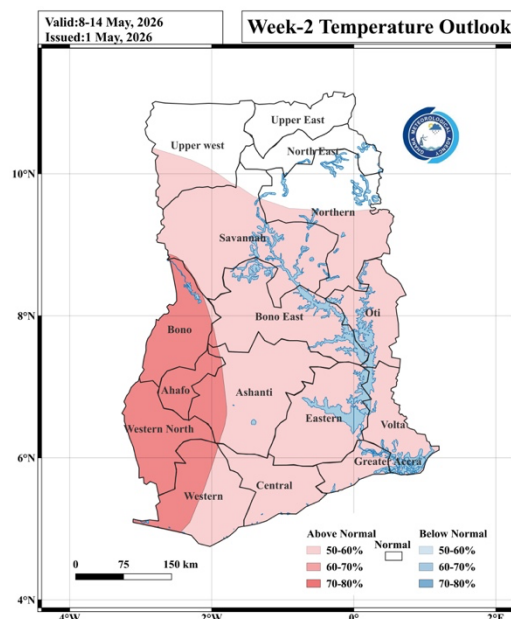
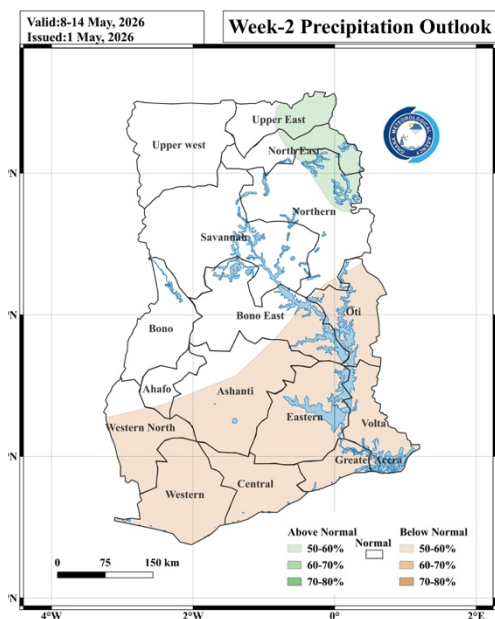


Figure 8. Max. and Min. Temperature Distribution for May 1<sup>st</sup> Dekad, 2026

Week 1 is expected to bring below-normal rainfall to the southern regions, accompanied by above-normal temperatures across the country. In Week 2, rainfall is projected to be above normal in the North-eastern areas, while temperatures will be above normal in the south-western portions.





## 4.0 ADVISORIES

### 1. Health Sector

- Increased temperatures may lead to dehydration and heat stress.
- Be cautious of heat-related illnesses, especially for vulnerable groups (elderly, children, and those with chronic illnesses) due to high daytime temperatures particularly in the Northern belt.

### 2. Water Resources Management Sector

- Conserve water and use it efficiently, especially in regions with less rainfall (Northern sector).
- 

### 3. General Public

- Above-Normal Temperatures (Nationwide). The public should limit outdoor activities during peak heat hours (11 am to 4 pm).
- The use of fans or air conditioning where available to stay cool
- Stay hydrated, avoid prolonged sun exposure, and wear light clothing.
- Stay updated on weather forecasts from the Ghana Meteorological Agency.

## 5.0 APPENDIX

### 5.1 TABLE OF STATIONS

STATIONS	Abreviation	STATIONS	Abreviation	STATIONS	Abreviation
Abetifi	ABE	Bui	BUI	Salaga	SALA
Accra	ACC	Cape Coast	C. COAST	Saltpond	SALT
Ada	ADA	Damongo	DAM	Sefwi Bekwai	S. BEK
Agona Kwanyako	AG. KWA	Dorma Ahenkro	D. AHEN	Sefwi Wiawso	S. WIAW
Agona Swedro	AG. SWE	Duayaw Nkwanta	D. NKWA	Sunyani	SUNY
Akatsi	AKA	Dunkwa	DUNK	Techiman	TECH
Akim Oda	AK. ODA	Goaso	GOA	Tafo	TAFO
Akropong Akwapim	A. Akwap	Ho	HO	Takoradi	TADI
Akuse	AKU	Kade	KADE	Tamale	TAMA
Asamankese	ASAM	Kete Krachi	K. KRA	Tarkwa	TARK
Asankragwa	ASANK	Kintampo	KINT	Tema	TEMA
Atebubu	ATE	Koforidua	KOF	Twifo Praso	T. PRA
Atieku	ATIEKU	Kpando	KPAN	Veve Dam	VEA
Axim	AXIM	Kumasi	KSI	Wa	WA
Babile	BABILE	Manga Bawku	M. BAWKU	Walewale	WALE
Bechem	BECH	Mim	MIM	Wamfie	WAMF
Bibiani	BIB	Navrongo	NAV	Wassaw Akropong	W. AKR
Bimbila	BIMB	Nsoatre	NSOA	Wenchi	WEN
Bole	BOLE	Obuasi	OBUASI	Winneba	WINN
Bolgatanga	BOLGA	Pong Tamale	P. TAM	Yendi	YEN
Bompata	BOMPA	Prang	PRANG	Zuarungu	ZUA
Breman Asikuma	B. ASIK				

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