MONTHLY RAINFALL ANALYSIS

MAY 2025

GHANA METEOROLOGICAL AGENCY

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MAY 2025 RAINFALL AMOUNT & FREQUENCY OVER GHANA

GMET/HYDRO/0525 ***Date Issued: 4th Jun, 2025***

SUMMARY

In May 2025, most parts of northern Ghana recorded below-average rainfall, while the southern half experienced slightly drier-than-normal conditions. However, moderate wetness was observed in isolated areas within the forest and western transition zones. Rainfall frequency was generally above normal, although the east coast and the Volta Region experienced slightly fewer rainy days than usual.

Rainfall Amount Analysis for May 2025

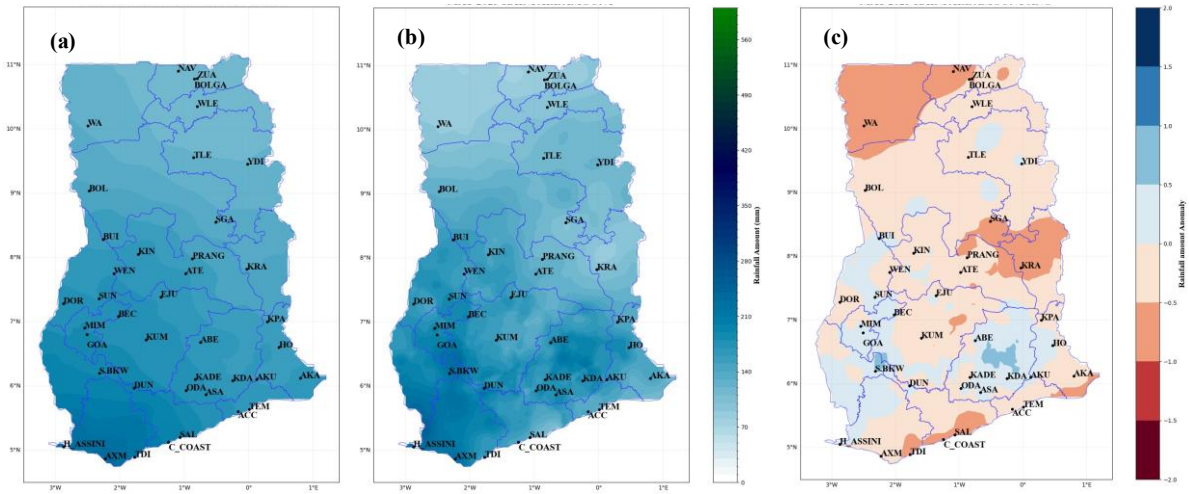

Figure 1. *(a) May Total Rainfall Climatology (1991 – 2020), (b) May 2025 Total Rainfall, (c) May 2025 Total Rainfall Anomaly*

Figure 1(a) shows that, climatologically, rainfall is highest in the southern and western parts of Ghana (over 250–300 mm) and lowest in the north (below 150 mm). ***Figure 1(b***) reveals that May 2025 followed a similar spatial pattern, with actual totals in the south ranging between 250–350 mm and lower amounts in the north. ***Figure 1(c),*** which displays rainfall anomalies, indicates drier conditions in areas such as Takoradi, Cape coast, Akatsi, Kete-Krachi, kumasi, Dormaa, Kintampo, Salaga, Bole, Tamale, Wa, Navrongo. However, areas such as Half Assini,

Sefwi Bekwi, Goaso, Mim, Sunyani, Bui, Yendi, Ejura, Koforidua, Akuse, Ho and Asamankese recorded slightly wetter or near-average conditions.

Rainfall Frequency Analysis for May 2025

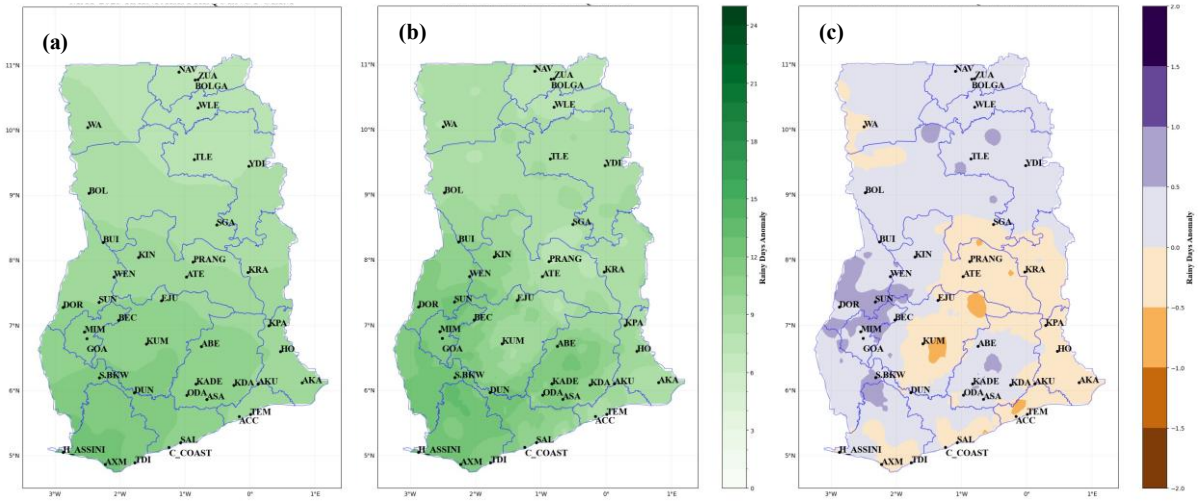

Figure 2. *(a) May Rainfall Frequency Climatology (1991–2020), (b) May 2025 Rainfall Frequency, (c) Rainfall Frequency Anomaly for May 2025*

Figure 2 illustrates the rainfall frequency patterns for May, comparing the 2025 observations to the 1991–2020 climatology**.** ***Figure 2(a)*** shows that southern Ghana, especially the coastal and southwestern areas, typically experiences 15 to 24 rainy days in May, while the northern regions average only 5 to 10 days. ***Figure 2(b)*** indicates that May 2025 followed a similar spatial trend, with the south recording 15 to over 20 rainy days and the north maintaining 5 to 10. ***Figure 2(c),*** which shows the anomaly, reveal areas such as Axim, Takoradi, Saltpond, Accra, Akatsi, Ho, Kumasi, Kpando, Kete-Krachi, Atebubu, and Wa had fewer rainy days than normal (up to -2 days or more), while most parts of Eastern, Western North, Ahafo, Bono, Savanna, North, North-east, Upper East and Upper West Region, experienced slightly more or near-average rainy days.

Please note that, in order to follow short-term weather variations, users of this outlook are advised to make use of the nowcast (six-hourly forecasts), daily forecasts and weekly forecasts routinely issued by the Ghana Meteorological Agency.

For further enquiries, clarification, information or assistance

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