



# MONTHLY RAINFALL ANALYSIS

MAY 2026



# GHANA METEOROLOGICAL AGENCY



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## MAY 2026 RAINFALL AMOUNT & FREQUENCY OVER GHANA

GMET/HYDRO/0526

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### SUMMARY

Rainfall conditions in May 2026 were characterized by generally above normal rainfall across most parts of southern Ghana relative to the 1991–2020 climatological average. In contrast, many locations in the northern and midwestern parts of the country experienced below normal rainfall. Rainfall frequency was also above the long-term average in several areas, particularly across the southern and northwestern zones.

### Rainfall Amount Analysis for May 2026

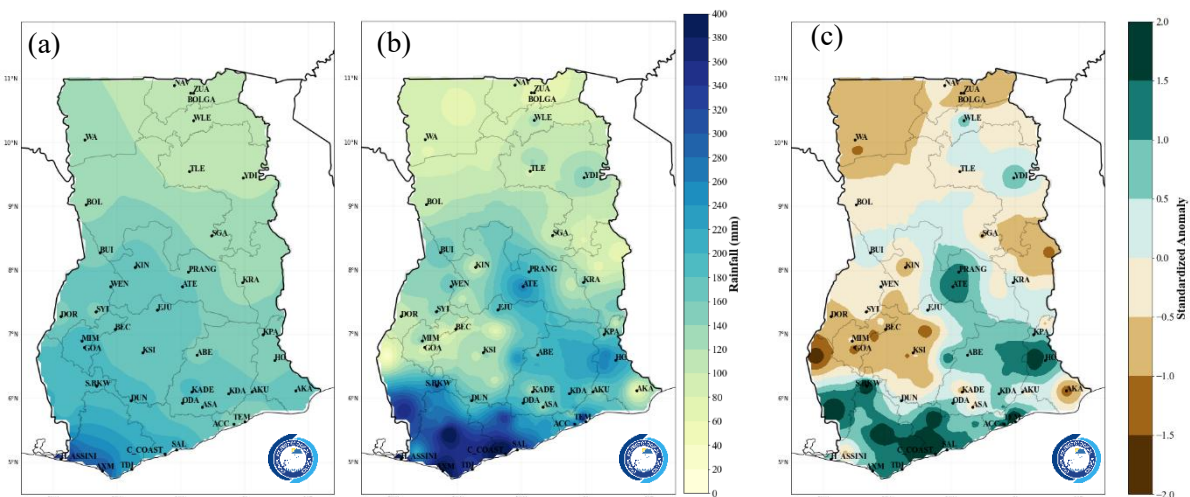
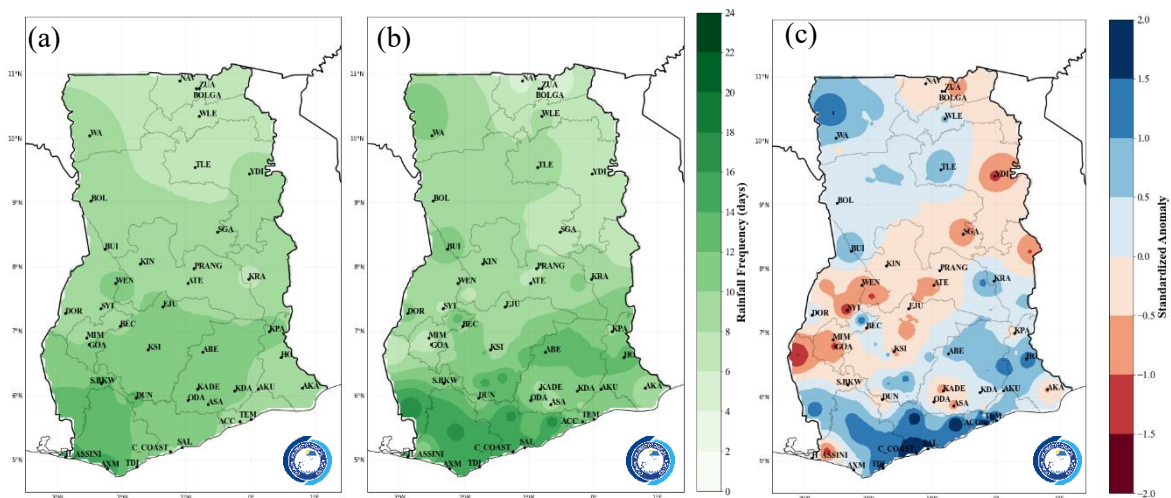


Figure 1. (a) May Rainfall Climatology (1991 – 2020), (b) May 2026 Rainfall, (c) May 2026 Rainfall Standardized Anomaly

Figure 1 illustrates the spatial distribution of rainfall across Ghana for May. Figure 1(a) presents the 1991–2020 climatological rainfall average, indicating that monthly rainfall totals typically range between 80 – 300 mm across the country, with the highest amounts occurring in the southern regions. Figure 1(b) shows the observed rainfall for May 2026. Rainfall amounts exceeding 300 mm were recorded across the southwestern parts of the country, while the middle and southeastern sectors generally received around 200 mm. In contrast, rainfall totals in the northern regions and parts of the midwestern zone, including Bechem, Mim, and

Goaso, ranged mostly between 60 – 140 mm. **Figure 1(c)** presents the standardized rainfall anomaly for May 2026. The analysis indicates predominantly positive rainfall anomalies (above normal) across most areas in the south of the country. Conversely, negative rainfall anomalies were observed across parts of the midwestern and northern sectors, particularly around Bechem, Mim, Goaso, Kumasi, Wa and Bolgatanga, indicating below normal rainfall.

### Rainfall Frequency Analysis for May 2026



**Figure 2.** (a) May Rainfall Frequency Climatology (1991–2020), (b) May 2026 Rainfall Frequency, (c) Rainfall Frequency Anomaly for May 2026

**Figure 2** presents the rainfall frequency distribution for May. **Figure 2(a)** shows the 1991–2020 climatological rainfall frequency, indicating that most parts of Ghana typically experience between 6 – 16 rainy days during May. **Figure 2(b)** illustrates the observed rainfall frequency for May 2026. Increased rainfall frequency was recorded across several locations in the southern and northwestern parts of the country, with many stations registering approximately 12 rainy days. In the northeastern sector, rainfall frequency ranged between 4 – 10 rainy days. **Figure 2(c)** shows the standardized rainfall frequency anomaly. Positive anomalies were dominant across most parts of southern and northwestern Ghana, indicating a greater number of rainy days than normal. In contrast, negative anomalies were observed in some areas of the middle and northeastern sectors. Notably, although the northwestern parts of the country recorded below-normal rainfall totals, they experienced more rainy days than average, suggesting that rainfall events were generally lighter in intensity but occurred more frequently than normal.

