



MONTHLY RAINFALL ANALYSIS

APRIL 2025



GHANA METEOROLOGICAL AGENCY



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APRIL 2025 RAINFALL AMOUNT & FREQUENCY OVER GHANA

GMET/HYDRO/0125

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SUMMARY

In April 2025, south-eastern portions of Ghana saw positive total rainfall anomalies, while most other regions especially the western portions of the middle belt recorded significant deficits (-1.0 to -1.5). Frequency analysis confirmed this pattern, with positive anomalies in the southeast and parts of the north, and widespread negative anomalies (-0.5 to -1.5) in the remaining regions.

Rainfall Amount Analysis for April

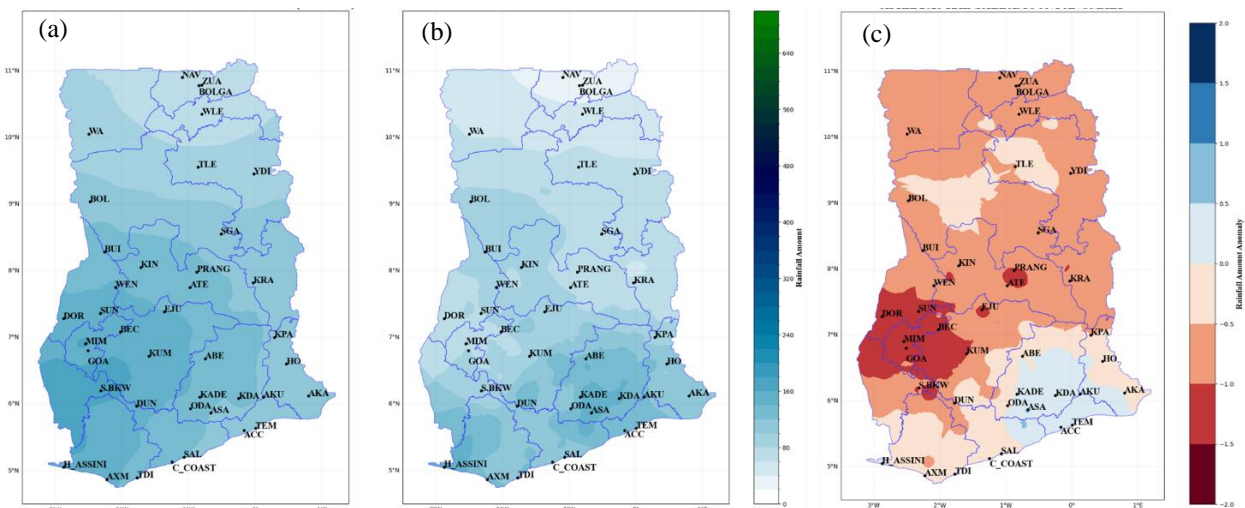


Figure 1. (a) April Total Rainfall Climatology (1991 – 2020), (b) April 2025 Total Rainfall, (c) April 2025 Total Rainfall Anomaly

The rainfall climatology for April (Figure 1(a)) shows increased total of 150–240 mm dominant in the south-western regions, particularly Western North. In April 2025, the total rainfall amounts (Figure 1(b)) indicated significantly higher totals in specific areas, including Akim Oda, Kade, Koforidua, and Asamankese. These variations are also illustrated in the total rainfall anomaly map (Figure 1(c)). Conversely, regions such as Dormaa, Goaso, Mim, Bechem, Sunyani, Kumasi, Ejura, and Prang experienced significant rainfall deficits.

Rainfall Frequency Analysis for April 2025

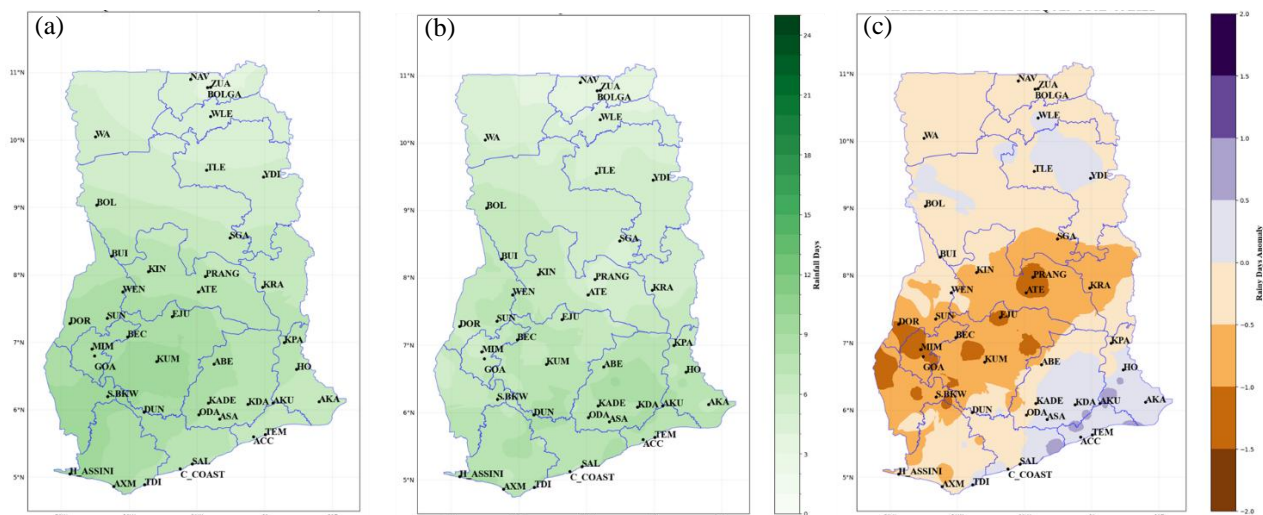


Figure 1. (a) April Rainfall Frequency Climatology (1991–2020), (b) April 2025 Rainfall Frequency, (c) Rainfall Frequency Anomaly for April 2025

Rainfall Frequency Climatology (Figure 1(a)) indicates higher frequencies (12–15 days) across the south-western parts of Ghana, extending into the north-middle zone. In April 2025 (Figure 1(b)), lower frequencies were observed in these areas, stretching diagonally toward northern Oti. Positive anomalies (Figure 1(c)) emerged in the southeastern corridor, particularly around Saltpond, Accra, Tema, Asamankese, Kade, Akuse, Akatsi, and Ho. Isolated positive anomalies were also noted in parts of the Northern, Savannah, and North East regions.

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.

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