

WEATHER SUMMARY FOR SEPTEMBER, 2025 AND WEATHER OUTLOOK FOR OCTOBER, 2025

Highlights of weather summary for September, 2025 and outlook for October, 2025:

This statement summarizes the current state of climate systems and associated weather observed during the month of September, 2025 and subsequently the outlook for the climate system and rainfall distribution for the month of October, 2025 over the country.

- I. In September 2025, dry conditions prevailed over most areas of the country, accompanied by cool temperatures in a few areas during the night. However, occasional periods of light to moderate rainfall were observed in some areas along the coastal belt, northeastern highlands and Lake Victoria basin.
- II. In October 2025, the *Vuli* rains are expected to commence in some areas under the bimodal rainfall regime. However, normal to below-normal rainfall is anticipated in most of these areas.
- III. An increase in temperatures is anticipated in some areas during October, 2025.

1.0 REVIEW OF SEPTEMBER, 2025 WEATHER.

In September 2025, dry conditions prevailed across most regions of the country, with cool nighttime temperatures recorded in a few areas, particularly in the southwestern highlands. The lowest minimum temperatures of 5.4 °C, was observed at Uyole (Mbeya) station on September 6th, 2025. Conversely, maximum temperatures showed a slight increase across many areas, with Tumbi station (Tabora region) reporting the highest maximum temperature of 36.6°C on 29th of September, 2025. The coastal areas and high ground of northeastern highlands experienced periods of light to moderate rainfall while the Lake Victoria basin experienced moderate rainfall accompanied by thundery activities.

All correspondences should be directed to:
Director General, Tanzania Meteorological Authority,
University of Dodoma, Administration block, College of Informatics and Virtual Education,
1 CIVE Street, P.O. Box 27, 41218 Dodoma; Tel: + 255 26 2962610; Fax: +255 26 2962610
Email; met@meteo.go.tz; Website: www.meteo.go.tz

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The highest daily rainfall during the month was 44.2 mm, observed at Bukoba station (Kagera region) on September 15th, 2025. Additionally, some areas, particularly along the coast and major lakes, experienced episodes of strong winds, with speeds reaching 40 to 50 km/hr.

2.0 OUTLOOK FOR OCTOBER, 2025

2.1 WEATHER AND CLIMATE SYSTEMS

In October, 2025, cooler-than-average sea surface temperatures (SSTs) are expected over the Central Equatorial Pacific Ocean (CEPO), indicating the presence of a weak *La Niña* condition. Additionally, SSTs over the western Indian Ocean are likely to be cooler than average, while those in the eastern Indian Ocean are expected to be warmer than average. This pattern is expected to reduce the advection of moisture towards the coastal and nearby regions. Off the Angola coast, SSTs are expected to be cooler than normal, a condition that may modestly influence the flow of moist westerly winds towards the Lake Victoria basin and the western regions of the country. Furthermore, warmer SST anomalies are expected to persist around the southern tip of Africa. This condition is expected to inhibit the influx of cold air from the south, potentially leading to a rise in temperatures in certain parts of the country.

2.2 WEATHER OUTLOOK FOR OCTOBER, 2025

The *Vuli* rains are generally expected to commence in some areas of the bimodal regions. However, normal to below normal rainfall, with poor spatial and temporal distribution is anticipated in many areas. In contrast, warm to hot temperatures are expected in regions where rainfall will be insufficient. Additionally, periods of strong winds are likely to occur, particularly along the coastal areas and around major lakes. Details of the weather outlook are as follows;

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Northern Coast (Tanga, Pwani, Dar es Salaam regions, northern sector of Morogoro region, Mafia, Unguja and Pemba Islands):

Light to moderate rainfall activities are expected in a few areas, with slightly enhanced rains anticipated in some parts during the third week of the month.

North Eastern Highlands (Kilimanjaro, Arusha and Manyara regions):

Occasional rainfall is expected in a few areas during the month, with a slight enhancement anticipated in some areas during the fourth week.

Lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Mara and Simiyu regions):

Rainfall accompanied by thunderstorm activities is expected in some areas during the month, with a slight enhancement anticipated in the fourth week.

Western regions (Kigoma, Katavi and Tabora regions):

A few periods of light to moderate rainfall and thunderstorms are expected in some areas during the month, with a slightly enhancement towards the end of the month.

Central areas (Dodoma and Singida regions):

Mainly dry conditions are expected to persist across most areas. However, isolated light rainfall is likely in a few areas.

Southwestern Highlands (Rukwa, Songwe, Mbeya, Njombe, Iringa regions and Southern sector of Morogoro region):

Mainly dry conditions are expected in most areas throughout the month. Additionally, isolated periods of light to moderate rainfall and slightly cool temperatures are anticipated particularly in the high grounds.

Southern Coast (Mtwara and Lindi regions):

A few periods of light to moderate rainfall are expected in some areas along the coastal belt with a slight increase anticipated between the third and fourth weeks.

Southern Region (Ruvuma region):

Mainly dry conditions are expected in most areas during the month. However, a few periods of light to moderate rainfall are likely over the high ground areas.

2.3 FURTHER OUTLOOK FOR THE MONTH OF NOVEMBER, 2025.

In November, 2025 rainfall is expected to continue in some areas of the country, with a slight enhanced rainfall anticipated in a few areas. Above Normal temperatures are also expected to in some areas during the month.

2.4 ADVISORY

The month of October is expected to mark the onset for *Vuli* rains in bimodal areas, with periods of heavy rainfall are also likely to occur at times. Therefore, communities residing in flood prone areas or in their proximity, should continue to take necessary precautions to mitigate the potential impacts of the expected heavy rains, including the risk of flooding.

Tanzania Meteorological Authority (TMA) advises all users of weather information including farmers, livestock keepers, wildlife conservation authorities, hydrological and health sectors to continue seeking and utilizing experts' advice on their relevant sectors.

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TANZANIA METEOROLOGICAL AUTHORITY

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