

WEATHER SUMMARY FOR SEPTEMBER, 2021 AND WEATHER OUTLOOK FOR OCTOBER, 2021

Highlights of weather summary for September and outlook for October, 2021:

This statement summarizes the current state of climate systems and associated weather observed during the month of September, 2021 and subsequently the outlook for the climate system and rainfall distribution for the month of October, 2021 over the country.

- During the month of September, 2021 cool condition continued over some areas of the country. The lowest minimum temperatures were observed over some areas of south-western highlands (SWH), southern region and high ground of north-eastern highlands (NEH). On the otherhand, episodes of strong winds reaching 40km/hr were reported over coastal areas.
- The month of October, 2021 expected to mark the onset of *Vuli* rains over bimodal areas. Meanwhile, Lake Victoria basin and coastal areas are likely to continue receiving light to moderate rains over few areas. However, temperatures (both maximum and minimum) are expected to rise over some areas of the country.

1.0 REVIEW OF SEPTEMBER, 2021 WEATHER.

During the month of September, 2021 cool conditions continued over some areas of the country particularly southwestern highlands, southern region and high ground of north-eastern highlands during night times. Uyole (Mbeya region) and Igeri (Njombe region) stations reported the lowest minimum temperatures ranging between 7 °C and 13 °C. On the otherhand, episodes of strong winds reaching 40km/hr were reported over some

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areas. However, coastal areas and Lake Victoria basin experienced periods of light to moderate rains over some areas during the month.

2.0 OUTLOOK FOR OCTOBER, 2021

2.1 WEATHER AND CLIMATE SYSTEMS

Cooler than normal sea surface temperature (SST) over the Central Equatorial Pacific Ocean (CEPO) is expected to persist in October. Normal to slightly warmer SSTs are expected over the western Indian Ocean, with warmer SST to the Eastern Indian Ocean (EIO). This condition is likely to suppress the advection of moisture influx towards the coastal areas. Neutral to slightly cooler SSTs are expected off Angola coast, which is likely to have slight influence on the moisture rich westerly winds towards the western part of the country. Normal to slight cooler SST anomaly over the southern tip of Africa may result to suppression of cold air influx from the south.

2.2 WEATHER OUTLOOK FOR OCTOBER, 2021

Generally, the onset of the *Vuli* rains is expected to delay over most areas of bimodal. However, light rainfall activities are expected over few areas of the coastal belt and high grounds of northeastern highlands while isolated thundershowers are likely over some areas of the Lake Victoria Basin. Subsequently, cooler conditions are likely to persist over the high ground areas of SWH and NEH. 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):

Isolated cases of light to moderate rains are expected over few areas of the coastal belt with minimum temperature between 18 °C and 25°C over most areas. However, high grounds of Tanga and the northern part of Morogoro region the minimum temperatures are expected to be below 18 °C at times.

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

During the month, periods of light rains are expected at times particularly over the high grounds. Minimum temperature ranging between 12 °C and 18 °C is expected over most areas. However, over high ground areas minimum temperature is likely to be below 12 °C.

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

Isolated cases of thundershowers are likely to persist over some areas during the month with minimum temperature ranging between 16 °C and 20 °C expected over most areas of the basin. However, over the high grounds of Kagera and Geita regions, minimum temperature below 16 °C is likely.

Western regions (Kigoma, Katavi and Tabora regions):

Rainfall activities are expected over few areas during the month. The minimum temperature ranging between 16 °C and 22 °C is expected over most areas.

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Central areas (Dodoma and Singida regions):

Dry conditions are expected to persist over most areas. Minimum temperature ranging between 16 °C and 20 °C is expected over most areas.

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

Mainly dry conditions are likely over most areas with minimum temperature ranging between 10 °C and 16 °C. However, over the high ground areas including Njombe and Mbeya regions, there is a chance of minimum temperature to be below 10 °C at times.

Southern Coast (Mtwara and Lindi regions):

Mainly dry conditions are expected with light to moderate rainfall activities over few areas along the coastal strip. Minimum temperature ranging between 18 °C and 24 °C expected over most areas.

Southern Region (Ruvuma region):

Dry conditions are expected to persist over most areas with minimum temperature ranging between 16 °C and 20 °C expected over most areas. On the other hand, over the high ground areas minimum temperature below 16 °C is likely to occur.

2.3 FURTHER OUTLOOK FOR THE MONTH OF NOVEMBER, 2021.

During the month of November, 2021 periods of light to moderate rains are expected over some areas. However, temperatures are expected to be normal over most areas of the Country.

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2.4 ADVISORY

The expected few periods of rainfall may cause deficit of soil moisture especially over the bimodal areas. Therefore, the farmers and communities at large are advised to get and follow the advice from the extension officers on the proper use of the rains.

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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