

## WEATHER SUMMARY FOR AUGUST, 2022 AND WEATHER OUTLOOK FOR SEPTEMBER, 2022

### Highlights of weather summary for August and outlook for September, 2022:

This statement summarizes the current state of climate systems and associated weather observed during the month of August, 2022 and subsequently outlook of climate systems especially temperature and rainfall distribution for the month of September, 2022 over the country.

- During the month of August, 2022 most areas of the country continued to experience mainly dry condition with cool temperatures. The lowest minimum temperatures were observed over south-western highlands (SWH) and high grounds of north-eastern highlands (NEH).
- For the month of September, 2022 slight increase of temperatures is expected over most areas. However, cool temperatures are expected over high grounds of SWH and NEH. During the month light to moderate rainfall activities are expected over few areas along the coastal strip, Lake Victoria Basin and high ground of NEH.

### 1.0 REVIEW OF AUGUST, 2022 WEATHER.

During the month of August, 2022 cool temperatures were experienced over some areas of the country. The lowest minimum temperatures were observed over the south western highlands and northeastern highlands. Uyole (Mbeya) and Igeri (Njombe) observed the minimum temperatures below 8 °C. Meanwhile, most parts of the country remained dry. However, few areas over the coastal strip, Lake Victoria Basin and

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*All correspondences should be directed to:*

Director General, Tanzania Meteorological Authority, Ubungo Plaza, 3<sup>rd</sup> Floor, 388 Morogoro Rd  
P.O. Box 3056, 16102 Dar es Salaam, Tanzania. Fax: +255 22 2460735, Tel: +255 22 2460706-8  
Email: [met@meteo.go.tz](mailto:met@meteo.go.tz), Website: [www.meteo.go.tz](http://www.meteo.go.tz)

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northeastern highlands received light to moderate rainfall activities. On 15<sup>th</sup> August 2022, Mwanza station received significant amount of 43.3 mm of rainfall which was the highest amount during the month followed by Morogoro which reported 28.2 mm and Musoma 25.4 mm on 23<sup>rd</sup> and 15<sup>th</sup> August, 2022 respectively. On the other hand, few episodes of strong wind reaching 40 km/hr and 50 km/hr (at times) have been experienced over some areas including coastal areas and major lakes during the month.

## 2.0 OUTLOOK FOR SEPTEMBER, 2022

### 2.1 WEATHER AND CLIMATE SYSTEMS

During the month of September, 2022 cooler than normal sea surface temperatures (SSTs) over the Central Equatorial Pacific Ocean (CEPO) are expected to persist which indicating La Niña condition throughout the month . Cooler than normal SSTs are likely over the western Indian Ocean while the eastern Indian ocean, warmer than normal SSTs are anticipated. This condition is likely to continue suppressing the advection of the moisture influx towards the coastal areas. Although, cooler than normal SSTs are expected off Angola coast, but is likely to have less influence on the flow of moisture rich westerly winds towards the Lake Victoria basin and western part of the country. Slight warmer SST anomaly over the tip of Africa may result to suppression of cold air influx from the south.

### 2.2 WEATHER OUTLOOK FOR SEPTEMBER, 2022

For the month of September, 2022 slight warm temperatures are likely to dominate over most parts of the country. However, slight cool temperatures are anticipated over the high grounds of Northeastern and Southwestern highlands. Otherwise, occasional

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periods of light to moderate rainfall activities are expected over few areas of the Lake Victoria Basin, coastal belt, and high grounds of north-eastern highlands. On other hand, episodes of strong wind are expected along the coastal areas. Details of weather outlook are as follows.

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

Minimum temperatures are expected to be between 19°C to 25°C over the coastal strips and isles but ranging between 17 °C to 23 °C over the hinterlands. Few areas of coastal strip are likely to receive occasional periods of light to moderate rains during the month.

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

During the month, minimum temperature ranging between 16 °C and 22 °C is expected over much areas of the region. However, over the high ground areas minimum temperatures are expected to occasionally fall below 16 °C. Otherwise, few periods of light to moderate rains are expected especially over high ground areas.

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

Minimum temperature ranging between 17 °C and 23 °C is expected over most areas of the regions. However, minimum temperature below 17 °C is likely over high grounds of Kagera and Geita regions. Periods of light to moderate rains are likely over some areas during the month.

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**Western regions (Kigoma, Katavi and Tabora regions):**

Minimum temperature ranging between 16 °C and 22 °C is expected over most areas. Occasional periods of rains are likely over few areas.

**Central areas (Dodoma and Singida regions):**

Minimum temperature ranging between 15 °C and 20 °C is expected over most areas. Dry conditions with episodes of strong wind at times are expected during the month.

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

Minimum temperature ranging between 10 °C and 18 °C is expected over most areas. Cool condition with minimum temperature of below 8 °C is expected over the high ground areas. Mainly dry conditions are likely to persist over most areas.

**Southern Coast (Mtwara and Lindi regions):**

Minimum temperature ranging between 18 °C and 24 °C is expected over most areas. Few periods of light to moderate rainfall activities are likely over few areas during the month.

**Southern Region (Ruvuma region):**

Minimum temperature ranging between 14 °C and 18 °C is expected over most areas. Over high ground areas, the minimum temperatures are likely to fall below 14 °C. Mainly dry condition is expected over most areas.

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## 2.3 FURTHER OUTLOOK FOR THE MONTH OF OCTOBER, 2022.

During the month of October, 2022 mainly dry conditions with warmer temperatures is expected over some areas of the country. However, periods of rainfall activities over few bimodal areas are expected.

## 2.4 ADVISORY

Dry and windy condition is likely to increase water loss through evapotranspiration, which will in turn affect water availability for crops, livestock and other use. However, health precautions should be taken to protect community against diseases that may be associated with the expected weather conditions.

*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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