



DEKADAL Weather Review and Outlook

1.0 WEATHER REVIEW FOR DEKAD No. 51 (21st – 31st MAY, 2023) AND OUTLOOK FOR DEKAD No. 52 (01st – 10th JUNE, 2023)

1.1 WEATHER REVIEW FOR DEKAD No. 51 (21st – 31st MAY, 2023)

During this dekad, the strength of the southern high-pressure systems (St. Helena and Mascarene) intensified while their counterparts the northern high-pressure systems (Azores and Siberia) continued to relax. This situation continued to allow the intertropical convergence zone (ITCZ) to move further north of the country. Sea Surface Temperatures (SSTs) over the south west Indian ocean (SWIO) were generally neutral to slight warmer than normal, this scenario had minimal impact in the advection of moist maritime wind from the ocean towards the coastal areas. Over the central equatorial Pacific Ocean SSTs were neutral to slight warmer. On the other hand, SSTs over the eastern Atlantic Ocean (off Angola coast) were warmer than normal with less contribution in transferring moist westerly wind from Congo basin towards the western sector of the country.

1.2 WEATHER SUMMARY FOR DEKAD No. 51 (21st – 31st MAY, 2023)

The synoptic features mentioned above had collectively influenced isolated thundershowers over the Lake Victoria basin. Meanwhile, some areas along north eastern highland and northern coast experienced slight to moderate rain showers respectively. Other areas of the country had experienced dry conditions with longer sunny periods.

2.0 WEATHER OUTLOOK FOR DEKAD No. 52 (01st – 10th JUNE, 2023)

2.1 EXPECTED SYNOPTIC SITUATION

During this period is expected to be dominated with strong southern hemisphere high-pressure systems (St. Helena and Mascarene) while its counterparts the northern hemisphere high-pressure systems (Azores and Siberian) are expected to relax. This scenario will continue to maintain the

oscillation of the ITCZ off our country. SSTs over the south- western Indian ocean are expected to be neutral to slight warmer, with an overall positive impact in advecting moist maritime wind towards the coastal areas. Over the southeast Atlantic Ocean (near Angola coast), SSTs are expected to be warmer than normal, the scenario which will have less contribution in transferring moist westerly wind from Congo basin towards the western sector of the country.

2.2 EXPECTED WEATHER OUTLOOK FOR DEKAD No. 52 (01st – 10th JUNE, 2023).

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

Isolated cases of thundershowers are expected over few areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions): Periods of light rain showers are expected.

Northern coast (Tanga, Northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba): Rain showers over few areas are expected.

Western regions (Kigoma, Katavi and Tabora regions): Dry condition is expected.

Central areas (Dodoma and Singida regions): Dry condition is expected.

Southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions): Dry condition is expected.

Southern Coast (Mtwara and Lindi regions): Dry condition is expected.

Southern region (Ruvuma and Southern part of Morogoro regions): Dry condition is expected.

Issued by:

TANZANIA METEOROLOGICAL AUTHORITY