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SEVEN-DAY WEATHER FORECAST VALID 1 TO 7 OCTOBER 2024

HIGHLIGHTS

Forecast for 1 to 7 October 2024

- Rainfall is expected to continue over some parts of country most notably the Highlands East and West of the Rift Valley, the Lake Victoria Basin and the Rift Valley. The rest of the country is likely to be generally sunny and dry.

Weather Review for 23 to 29 September 2024

- A number of stations in the Highlands East and West of the Rift Valley recorded rainfall. The rest of the country was generally sunny and dry.
- Day-time (maximum) temperatures increased over the South-eastern lowlands and the Coast and decreased over the rest of the country.
- Night-time (minimum) temperatures decreased over most parts of the country with only a few stations such as Msabaha, Mtwapa and Kericho recording increases.

1 FORECAST FOR 1 TO 7 OCTOBER 2024

Rainfall is expected to continue over some parts of country most notably the Highlands East and West of the Rift Valley, the Lake Victoria Basin and the Rift Valley. The rest of the country is likely to be generally sunny and dry.

High average daytime (maximum) temperatures of more than 30°C will be experienced in some parts of the Highlands West of the Rift Valley, the South Rift Valley, Coast, the South-eastern lowlands, North-eastern and North-western Kenya.

Average night-time (minimum) temperatures will be low (less than 10°C) over some parts of the Highlands East of the Rift Valley, the Central Rift Valley and the South-eastern lowlands.

1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 1 TO 7 OCTOBER 2024

1.1.1 The Highlands West of the Rift Valley, the Lake Victoria Basin and the Rift Valley (Kisii, Nyamira, Nandi, Kericho, Bomet, Kakamega, Vihiga, Bungoma, Siaya, Kisumu, Homabay, Busia, Migori, Narok, Baringo, Nakuru, Trans-Nzoia, Uasin-Gishu, Elgeyo-Marakwet and West-Pokot Counties):

Sunny intervals are expected in the mornings but a few areas may receive light rains. Afternoon showers and thunderstorms are likely to occur over few places occasionally spreading to several places. Nights are expected to be partly cloudy though showers may occur over few places.

1.1.2 North-western Kenya (*Turkana and Samburu Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy. However, morning rains as well as afternoon and night showers and thunderstorms may occur over few places during the first half of the forecast period.

1.1.3 The Highlands East of the Rift Valley (including Nairobi County) (*Nyandarua, Laikipia, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, Tharaka-Nithi and Nairobi Counties*):

Intermittent cloudiness, with a possibility of light rains, is expected in the mornings giving way to sunny intervals. Afternoon and night showers are likely to occur over several places during the first half of the forecast period reducing to few places thereafter.

1.1.4 North-eastern Kenya (*Marsabit, Mandera, Wajir, Garissa and Isiolo Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy.

1.1.5 The South-eastern lowlands (*Machakos, Kitui, Makueni, Kajiado and Taita-Taveta Counties*):

Sunny intervals are expected during the day while nights are likely to be partly cloudy. However, there is a possibility of morning rains and afternoon showers occurring over few places.

1.1.6 The Coast (*Mombasa, Tana-River, Kilifi, Lamu and Kwale Counties*):

Morning, afternoon and night showers are expected to occur over few places during the second half of the forecast period.

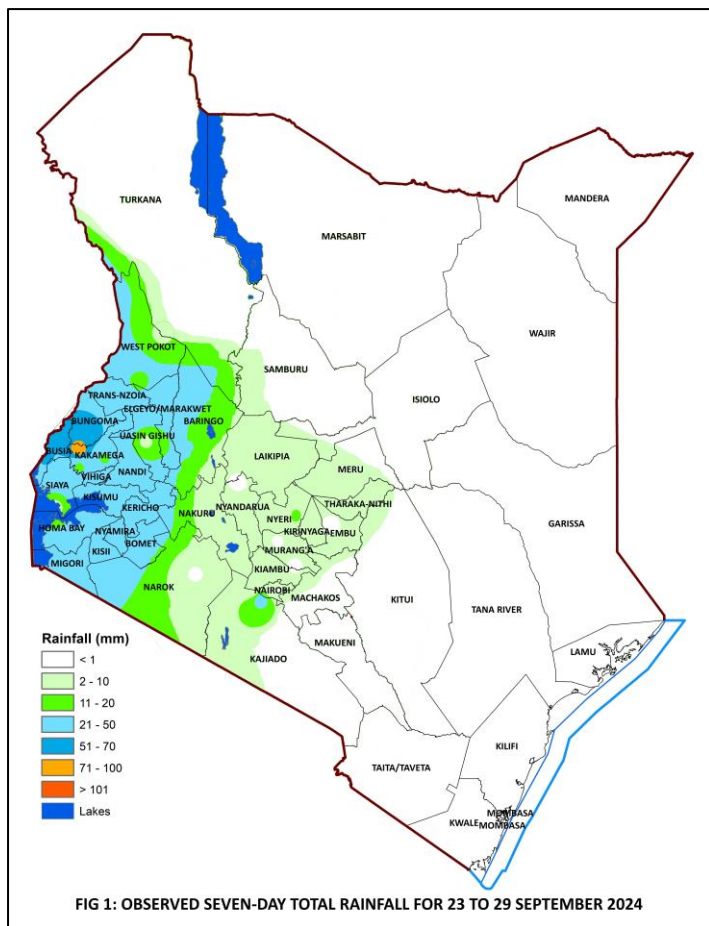
1.2 DETAILED TEMPERATURE FORECAST FOR 1 TO 7 OCTOBER 2024

Expected maximum and minimum temperatures for selected towns and cities are shown in **Table 1**.

CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)
LODWAR	37.0	26.0	KISUMU	32.0	18.0	THIKA	31.0	11.0
MARSABIT	27.0	15.0	SUBA	30.0	20.0	NGONG	24.0	10.0
MOYALE	29.0	18.0	NAKURU	27.0	12.0	MACHAKOS	29.0	11.0
GARISSA	35.0	24.0	NAROK	28.0	09.0	MAKINDU	31.0	15.0
WAJIR	36.0	22.0	LAIKIPIA	29.0	10.0	KITUI	30.0	16.0
MANDERA	38.0	24.0	NYAHURURU	24.0	06.0	VOI	32.0	19.0
KITALE	27.0	12.0	KANGEMA	28.0	13.0	LAMU	31.0	25.0
KAKAMEGA	29.0	16.0	NYERI	28.0	12.0	MALINDI	31.0	24.0
ELDORET	25.0	10.0	EMBU	29.0	15.0	MSABAHA	30.0	25.0
KERICHO	25.0	12.0	MERU	26.0	10.0	MTWAPA	30.0	23.0
KISII	28.0	16.0	NAIROBI	29.0	11.0	MOMBASA	31.0	22.0

2 WEATHER REVIEW FOR 23 TO 29 SEPTEMBER 2024

2.1.1 Rainfall Review

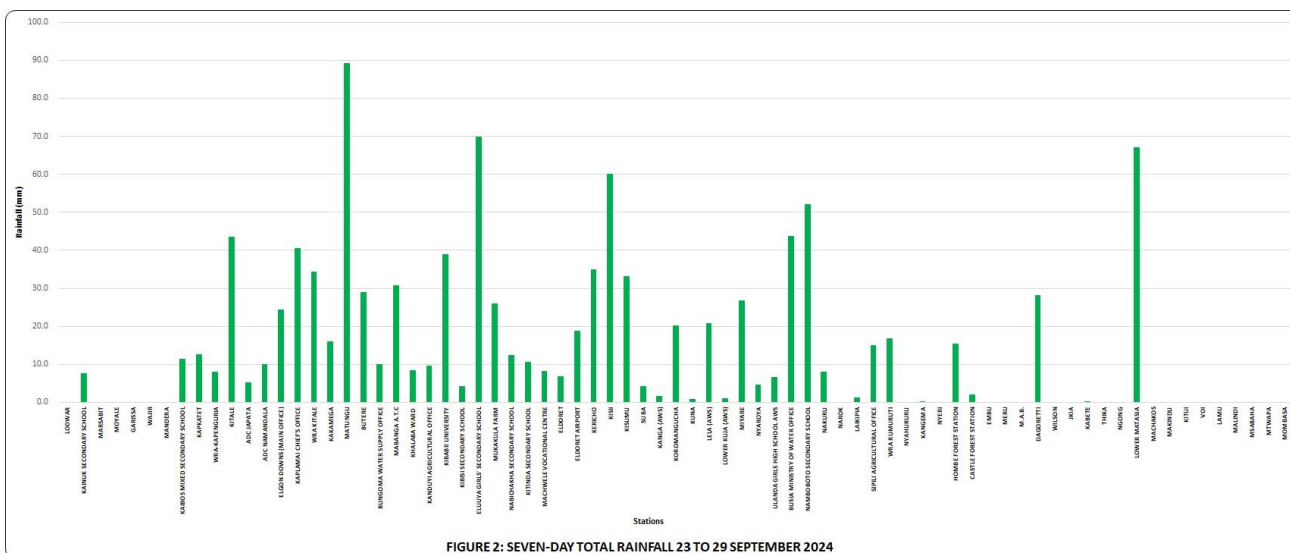


A number of stations in the Highlands East and West of the Rift Valley recorded rainfall. The rest of the country was generally sunny and dry as shown in **Figures 1 & 2**.

Comparing the 16 to 22 September 2024 and the 23 to 29 September 2024 periods, it is noted that there was an increase in rainfall amounts in the areas that recorded rainfall.

The highest seven-day rainfall total (89.1mm) was recorded at Matungu Meteorological Station in Kakamega County.

The rainfall station at Namboboto Secondary School in Busia County recorded the highest amount of rainfall within 24-hours: 52.1mm on 29 September 2024.



2.2 Temperature Review

Comparing the 16 to 22 September 2024 and the 23 to 29 September 2024 periods, it is noted that day-time (maximum) temperatures increased over the South-eastern lowlands and the Coast and decreased over the rest of the country. Night-time (minimum) temperatures decreased over most parts of the country with only a few stations such as Msabaha, Mtwapa and Kericho recording increases.

Mandera Meteorological Station recorded the highest daily maximum temperature: 38.3°C on 26 September 2024 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 5.7°C on 24 September 2024. The same stations recorded the highest seven-day average maximum temperature and the lowest seven-day average minimum temperature: 37.8°C and 6.7°C respectively (see **Figure 3**).

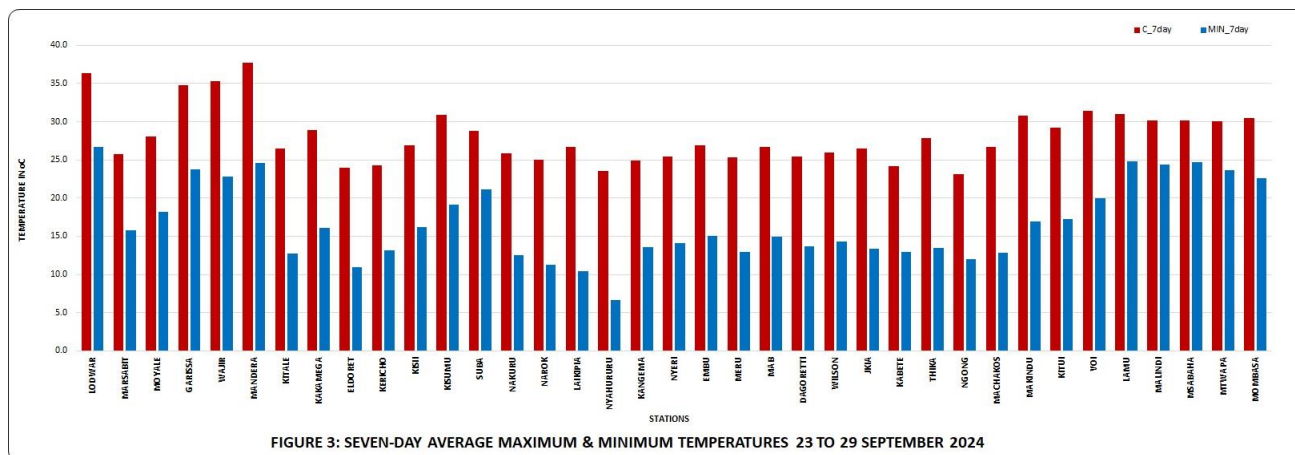


FIGURE 3: SEVEN-DAY AVERAGE MAXIMUM & MINIMUM TEMPERATURES 23 TO 29 SEPTEMBER 2024

N.B: This forecast should be used in conjunction with the daily (24-hour) and five-day forecasts issued by this Department. County specific forecasts are available from the offices of respective County Directors of Meteorological Services.

KEY OF SCIENTIFIC WORDS USED

24-hour rainfall categories	
Range	Category
<5mm	Light
5-20mm	Moderate
20-50mm	Heavy
>50mm	Very heavy

Rainfall coverage	
Term	Meaning
Most places	Between 66% and 100%
Several places	Between 33% and 66%
Few places	Less than 33%

Benard Chanzu
For DIRECTOR OF METEOROLOGICAL SERVICES