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SEVEN-DAY WEATHER FORECAST VALID 23 TO 29 JULY 2024

HIGHLIGHTS

<p>Forecast for 23 to 29 July 2024</p> <ul style="list-style-type: none"> • Rainfall is expected to continue over some parts of the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the Central Rift Valley and North-western Kenya. • Intermittent cold and cloudy conditions are expected over some parts the Highlands East and West of the Rift Valley, the South-eastern lowlands and the Rift Valley. 	<p>Weather Review for 15 to 21 July 2024</p> <ul style="list-style-type: none"> • Rainfall was recorded in several parts of the country most notably the Highlands West of the Rift Valley. • Day-time (maximum) temperatures decreased over much of the country but a few Coastal stations recorded marginal warming. • Night-time (minimum) temperatures increased over most parts of the country with only a few stations such as Lodwar, Voi and Marsabit recording slight cooling.
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1 FORECAST FOR 23 TO 29 JULY 2024

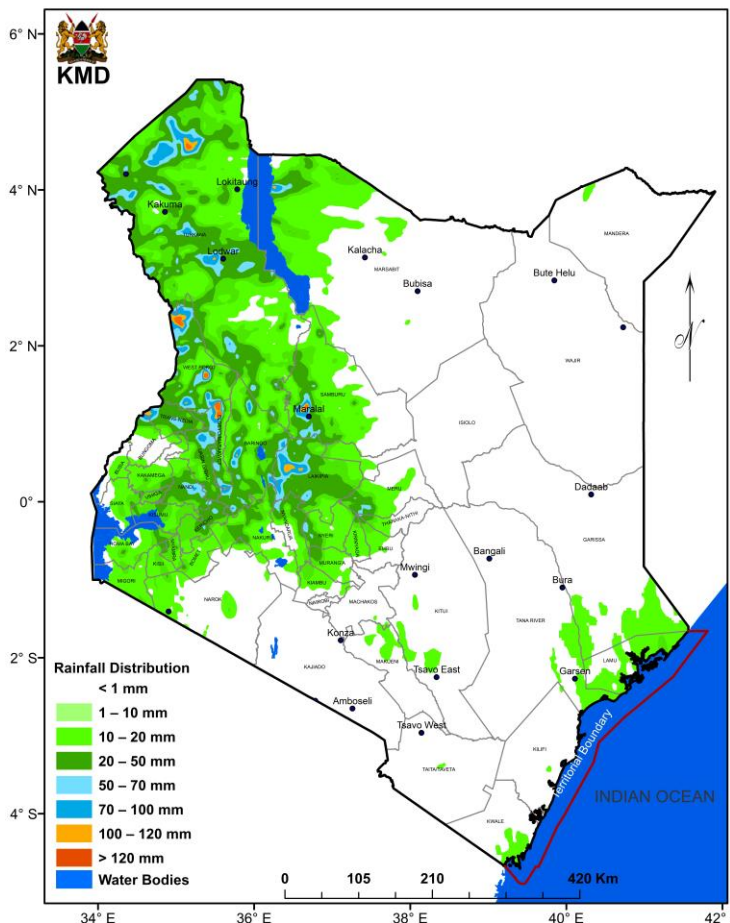


FIG 1: FORECASTED SEVEN-DAY TOTAL RAINFALL FOR 23 TO 29 JULY 2024

Rainfall is expected to continue over some parts of the Highlands East and West of the Rift Valley, the Lake Victoria Basin, the Central Rift Valley and North-western Kenya as shown in **Figure 1**. The rest of the country is likely to be generally dry.

Intermittent cold and cloudy conditions are expected over some parts of the Highlands East and West of the Rift Valley, the South-eastern lowlands and the Rift Valley.

High average daytime (maximum) temperatures of more than 30°C will be experienced in some parts of the Coast, North-eastern and North-western Kenya as shown in **Figure 2**.

Average night-time (minimum) temperatures will be low (less than 10°C) over some parts of the Highlands East of the Rift Valley, the South-eastern lowlands and the Rift Valley as shown in **Figure 3**.

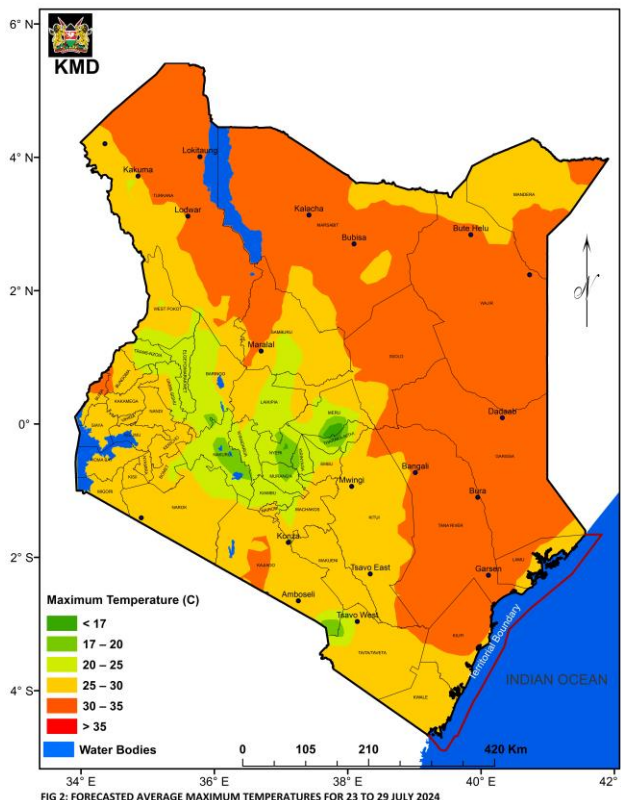


FIG 2: FORECASTED AVERAGE MAXIMUM TEMPERATURES FOR 23 TO 29 JULY 2024

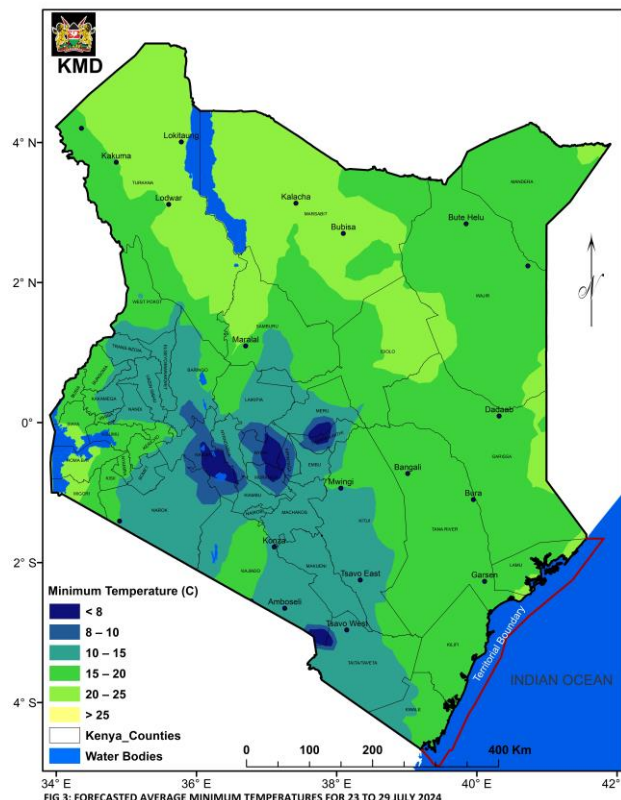


FIG 3: FORECASTED AVERAGE MINIMUM TEMPERATURES FOR 23 TO 29 JULY 2024

1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 23 TO 29 JULY 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, West-Pokot, Siaya, Kisumu, Homabay, Busia and Migori Counties*):

Morning rains are likely to occur over few places. Afternoon and night showers and thunderstorms are expected over few places occasionally spreading to several places.

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

Morning rains as well as afternoon and night showers and thunderstorms are expected over few places.

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 light rains over few places, is expected in the mornings giving way to sunny intervals. Afternoon and night showers are expected over few (mostly high-ground) areas.

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. However, morning rains may occur over some parts of Marsabit County.

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

Occasional cloudiness is expected in the morning giving way to sunny intervals. Nights are likely to be partly cloudy.

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

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

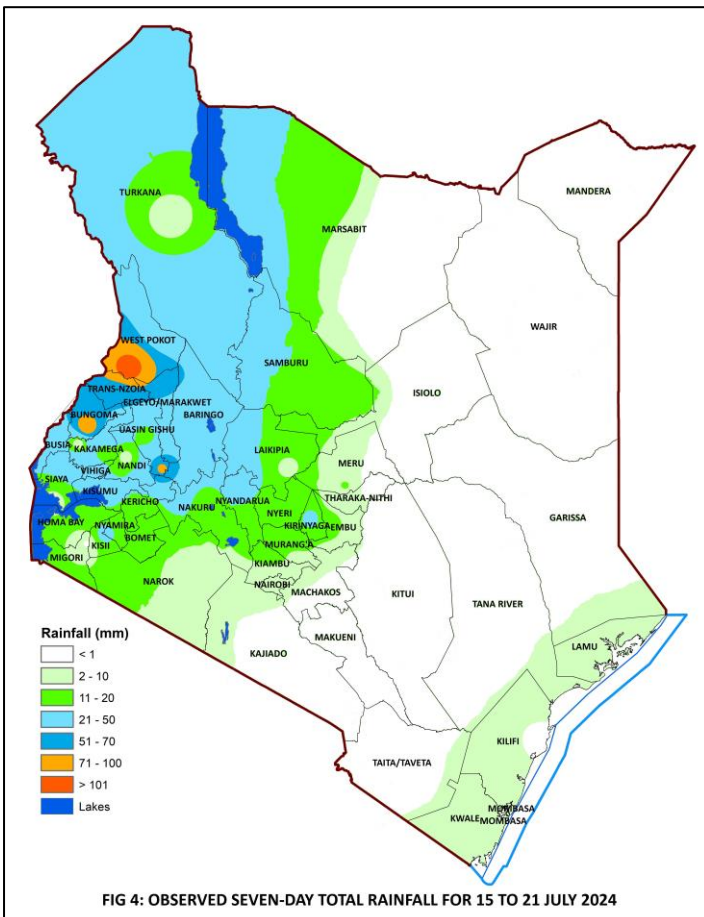
1.2 DETAILED TEMPERATURE FORECAST FOR 23 TO 29 JULY 2024

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

TABLE 1: FORECASTED MAXIMUM AND MINIMUM TEMPERATURES FOR SELECTED CITIES AND TOWNS								
CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)	CITY/TOWN	MAX (°C)	MIN (°C)
LODWAR	36.0	23.0	KISUMU	29.0	17.0	THIKA	26.0	13.0
MARSABIT	26.0	15.0	SUBA	30.0	20.0	NGONG	23.0	11.0
MOYALE	27.0	18.0	NAKURU	26.0	14.0	MACHAKOS	24.0	10.0
GARISSA	34.0	22.0	NAROK	24.0	12.0	MAKINDU	29.0	15.0
WAJIR	35.0	22.0	NYAHURURU	22.0	11.0	KITUI	28.0	14.0
MANDERA	35.0	24.0	KANGEMA	23.0	13.0	VOI	31.0	18.0
KITALE	25.0	14.0	NYERI	25.0	13.0	LAMU	30.0	24.0
KAKAMEGA	28.0	16.0	EMBU	24.0	14.0	MALINDI	29.0	24.0
ELDORET	24.0	13.0	MERU	24.0	14.0	MSABAHA	29.0	24.0
KERICHO	24.0	10.0	LAIKIPIA	26.0	11.0	MTWAPA	30.0	21.0
KISII	27.0	16.0	NAIROBI	25.0	11.0	MOMBASA	30.0	21.0

2 WEATHER REVIEW FOR 15 TO 21 JULY 2024

2.1.1 Rainfall Review

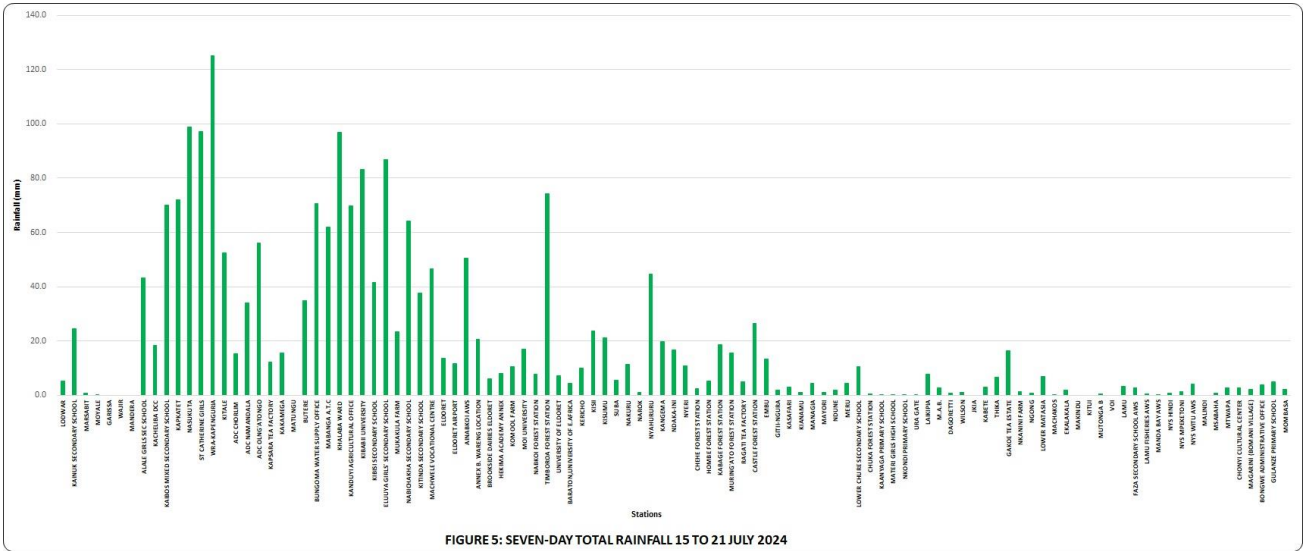


Rainfall was recorded in several parts of the country most notably the Highlands West of the Rift Valley as shown in **Figures 4 & 5**.

Comparing the 8 to 14 July 2024 and the 15 to 21 July 2024 periods, it is noted that there was an increase in rainfall amounts over the Highlands West of the Rift Valley and a decrease over the rest of the country.

The highest seven-day rainfall total (125.0 mm) was recorded at WRA-Kapenguria Rainfall Station in West Pokot County.

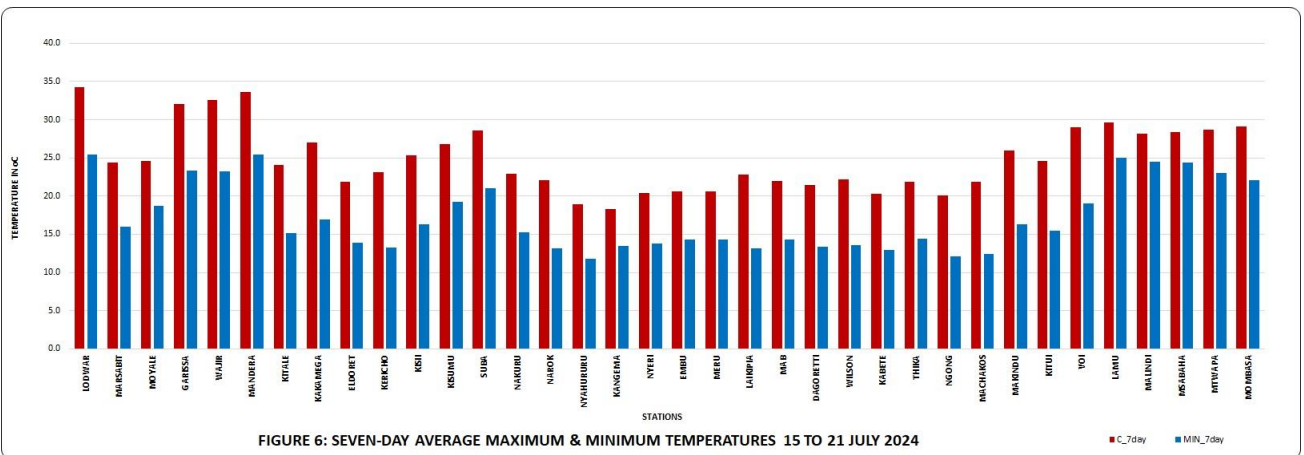
Nasukuta Automatic Weather Station in West Pokot County recorded the highest amount of rainfall within 24-hours: 51.0 mm on 20 July 2024.



2.2 Temperature Review

Comparing the 8 to 14 July 2024 and the 15 to 21 July 2024 periods, it is noted that day-time (maximum) temperatures decreased over much of the country but a few Coastal stations recorded marginal warming. Night-time (minimum) temperatures increased over most parts of the country with only a few stations such as Lodwar, Voi and Marsabit recording slight cooling.

Lodwar Meteorological Station recorded the highest daily maximum temperature: 35.6°C on 21 July 2024 while Machakos Meteorological Station recorded the lowest daily minimum temperature: 9.9°C on 15 July 2024. Lodwar Meteorological Station recorded the highest seven-day average maximum temperature: 34.3°C and Nyahururu Meteorological Station recorded the lowest seven-day average minimum temperature: 11.8°C (see Figure 6).



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 Meteorology.

KEY OF SCIENTIFIC WORDS USED

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

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

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