



MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

STATE DEPARTMENT FOR ENVIRONMENT AND CLIMATE CHANGE

KENYA METEOROLOGICAL DEPARTMENT

Our Ref: MET/7/292

Date: 6 January 2024

SEVEN-DAY WEATHER FORECAST FOR 7 TO 13 JANUARY 2025

SUMMARY

Forecast for 7 to 13 January 2025

- Mainly sunny and dry weather conditions expected to prevail over most parts of the country. However, occasional light to moderate rainfall may be experienced over a few areas in the Highlands West and East of the Rift Valley, Lake Victoria Basin, South Rift Valley, the Coastal region and the South-eastern lowlands.

Weather Review for 30 December 2024 to 5 January 2025

- Rainfall was recorded over some parts of the Highlands West and East of the Rift Valley, the Lake Victoria Basin, South Rift Valley, the Coastal region and the South-eastern lowlands.
- Day-time (maximum) temperatures increased over most stations except Malindi and Msabaha which recorded marginal cooling.
- Night-time (minimum) temperatures decreased over some stations such as Lodwar, Kitale, Nyahururu, Narok and Machakos and increased over others such as Moyale, Suba, Kitui and all stations over the coastal region.

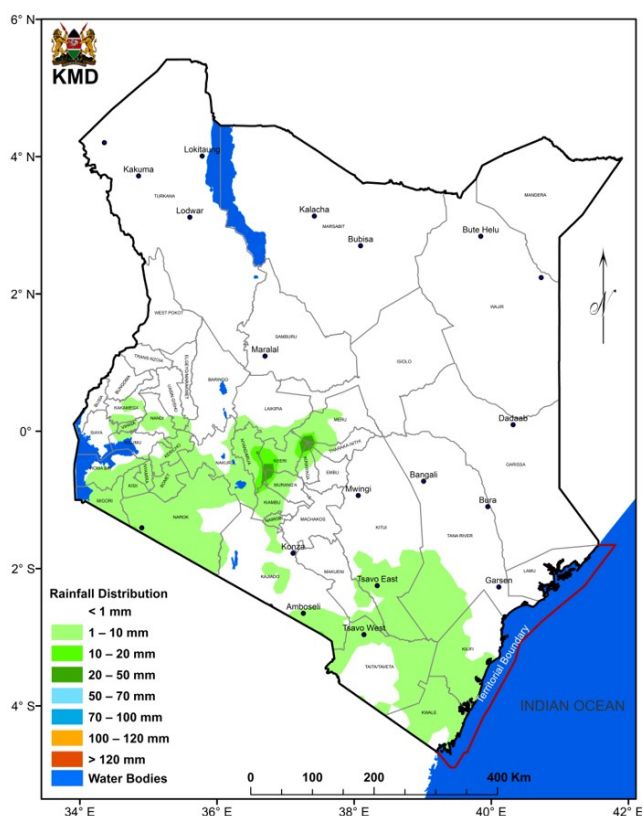


FIG 1: FORECASTED SEVEN-DAY TOTAL RAINFALL FOR 7 TO 13 TH JANUARY 2025

1 FORECAST FOR 7 TO 13 JANUARY 2025

Mainly sunny and dry weather conditions expected to prevail over most parts of the country. However, occasional light to moderate rainfall may be experienced over a few areas in the Highlands West and East of the Rift Valley, Lake Victoria Basin, South Rift Valley, the Coastal region and the South-eastern lowlands as shown in **Figure 1**.

Average daytime (maximum) temperatures of more than 30°C will be experienced over the Coast, North-eastern, North-western and parts of the Highlands West of the Rift Valley, Lake Victoria Basin and South eastern lowlands as shown in **Figure 2**.

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

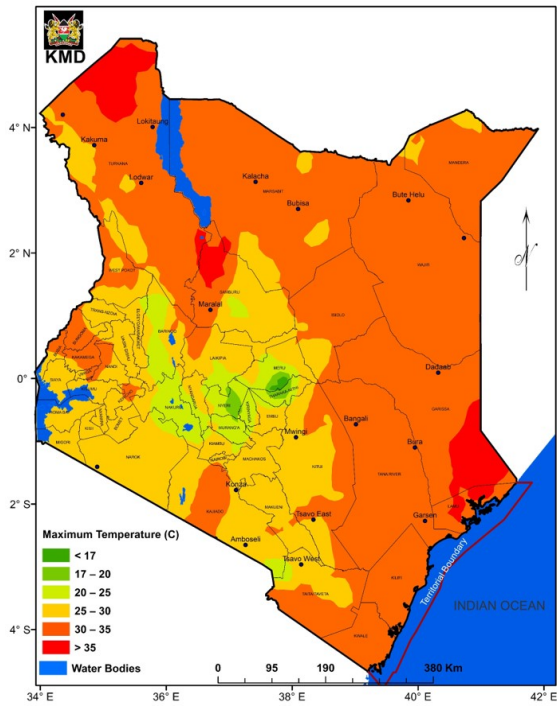


FIG 2: FORECASTED AVERAGE MAXIMUM TEMPERATURES FOR 7 TO 13TH JANUARY 2025

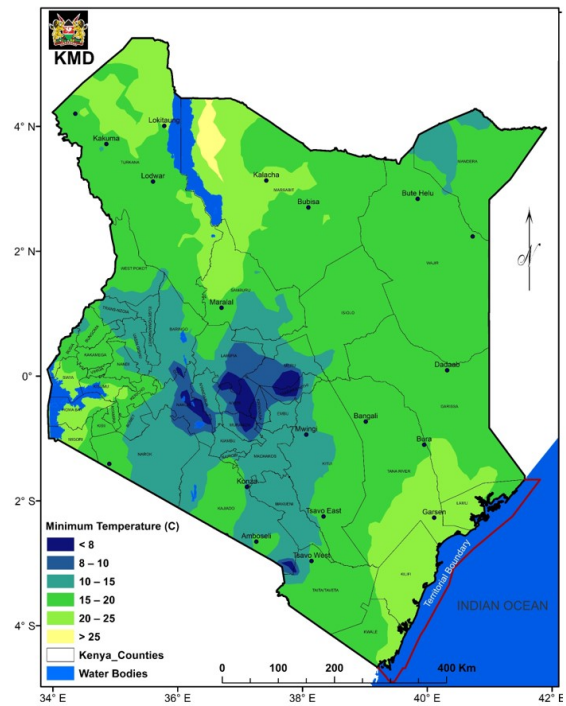


FIG 3: FORECASTED AVERAGE MINIMUM TEMPERATURES FOR 7 TO 13TH JANUARY 2025

1.1 DETAILED REGIONAL RAINFALL FORECAST FOR 7 TO 13 JANUARY 2025

1.1.1 The Lake Victoria Basin, the Central and South Rift Valley and parts of the Highlands West of the Rift Valley (*Nandi, Kakamega, Vihiga, Bungoma, Siaya, Busia, Nakuru, Trans-Nzoia, Kisii, Nyamira, Kericho, Bomet, Kisumu, Homabay, Migori and Narok Counties*):

Mornings will mainly have sunny intervals though a few areas over the South Rift Valley and Lake Victoria Basin may experience rains on Thursday. Occasional afternoon showers and thunderstorms are expected over few places. Nights are expected to be partly cloudy though a few areas in Narok and Lake Victoria Basin may experience occasional showers.

1.1.2 The North Rift Valley and parts of the Highlands West of the Rift Valley (*Uasin-Gishu, Elgeyo-Marakwet, Baringo and West-Pokot Counties*)

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

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

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

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

Morning sunny intervals are expected to prevail during this period. Occasional afternoon showers expected over few places. Nights are expected to be partly cloudy though a few areas may have showers on Friday.

1.1.5 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.

1.1.6 The South-eastern lowlands (*Machakos, Kitui, Makueni, Kajiado and Taita-Taveta Counties as well as the inland parts of Tana-River County*):

Mainly sunny intervals expected to prevail during the day. However, a few areas may have occasional light showers in the afternoons. Nights are expected to be partly cloudy though a few areas in Kajiado, especially those bordering Tanzania may experience occasional showers.

1.1.7 The Coast (*Mombasa, Kilifi, Lamu and Kwale Counties as well as the coastal parts of Tana-River County*):

Mainly sunny intervals expected to prevail during the day. However, a few areas may experience occasional morning showers which may extend to early afternoon. Nights are expected to be partly cloudy.

1.2 DETAILED TEMPERATURE FORECAST FOR 7 TO 13 JANUARY 2025

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	37.0	20.0	KISUMU	31.0	18.0	THIKA	28.0	13.0
MARSABIT	28.0	16.0	SUBA	31.0	21.0	NGONG	25.0	12.0
MOYALE	33.0	18.0	NAKURU	27.0	11.0	MACHAKOS	26.0	13.0
GARISSA	37.0	23.0	NAROK	28.0	08.0	MAKINDU	31.0	17.0
WAJIR	38.0	22.0	LAIKIPIA	27.0	08.0	KITUI	28.0	17.0
MANDERA	37.0	22.0	NYAHURURU	23.0	05.0	VOI	32.0	21.0
KITALE	29.0	11.0	KANGEMA	26.0	14.0	LAMU	33.0	23.0
KAKAMEGA	32.0	14.0	NYERI	27.0	11.0	MALINDI	32.0	25.0
ELDORET	25.0	10.0	EMBU	27.0	13.0	MSABAHA	33.0	24.0
KERICHO	26.0	09.0	MERU	26.0	12.0	MTWAPA	32.0	24.0
KISII	28.0	15.0	NAIROBI	27.0	14.0	MOMBASA	34.0	24.0

2 WEATHER REVIEW FOR 30 DECEMBER 2024 TO 5 JANUARY 2025

2.1.1 Rainfall Review

Rainfall was recorded over some parts of the Highlands West and East of the Rift Valley, the Lake Victoria Basin, South Rift Valley, the Coastal region and the South-eastern lowlands, as shown in **Figures 4 & 5**.

Comparing the 23 to 29 December 2024 and the 30 December 2024 to 5 January 2025 periods, it is noted that rainfall amounts decreased in the areas that received rainfall.

The highest seven-day rainfall total (28.5 mm) was recorded at Wundanyi Rainfall Station in Taita Taveta County.

The same station recorded the highest amount of rainfall within 24-hours: 28.5 mm on 1 January 2025.

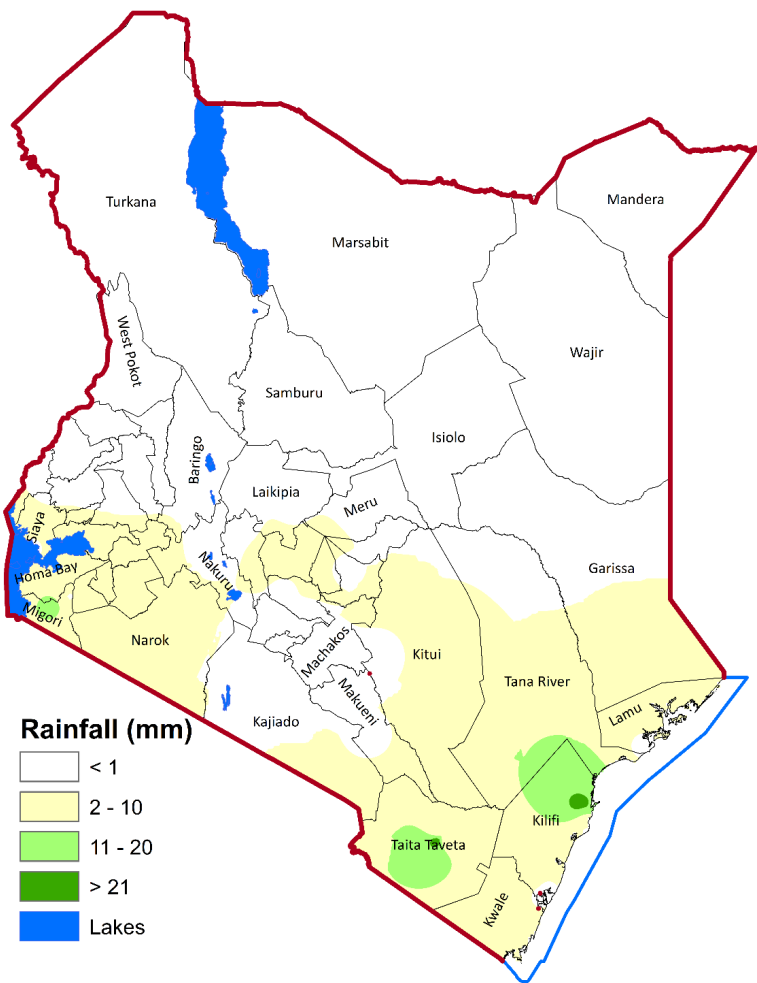


FIG 4: OBSERVED SEVEN DAY TOTAL RAINFALL FOR 30 DEC 2024 TO 5 JAN 2025

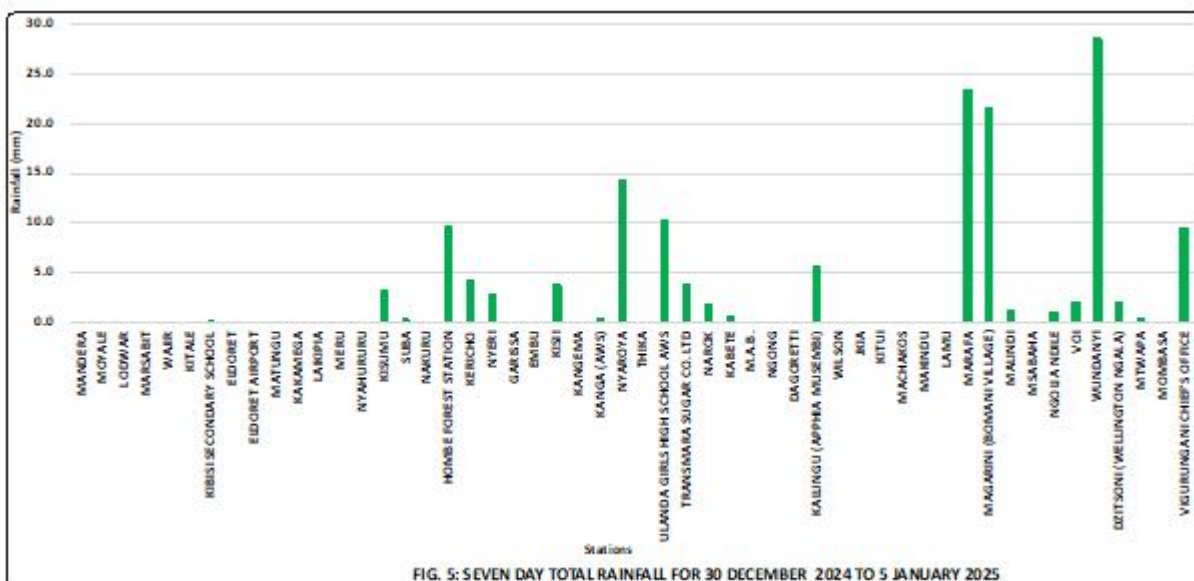


FIG 5: SEVEN DAY TOTAL RAINFALL FOR 30 DECEMBER 2024 TO 5 JANUARY 2025

2.2 Temperature Review

Comparing the 23 to 29 December 2024 and the 30 December 2024 to 5 January 2025 periods, it is noted that day-time (maximum) temperatures increased over most stations except Malindi and Msabaha which recorded marginal cooling. Night-time (minimum) temperatures decreased over some stations such as Lodwar, Kitale, Nyahururu, Narok and Machakos and increased over others such as Moyale, Suba, Kitui and all stations over the coastal region.

Wajir Meteorological Station recorded the highest daily maximum temperature: 38.0°C on 31 December 2024 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature: 5.3°C on 5 January 2025. The same stations recorded the highest seven-day average maximum temperature and the lowest seven-day average minimum temperature: 36.7°C and 7.3°C respectively (see **Figure 6**).

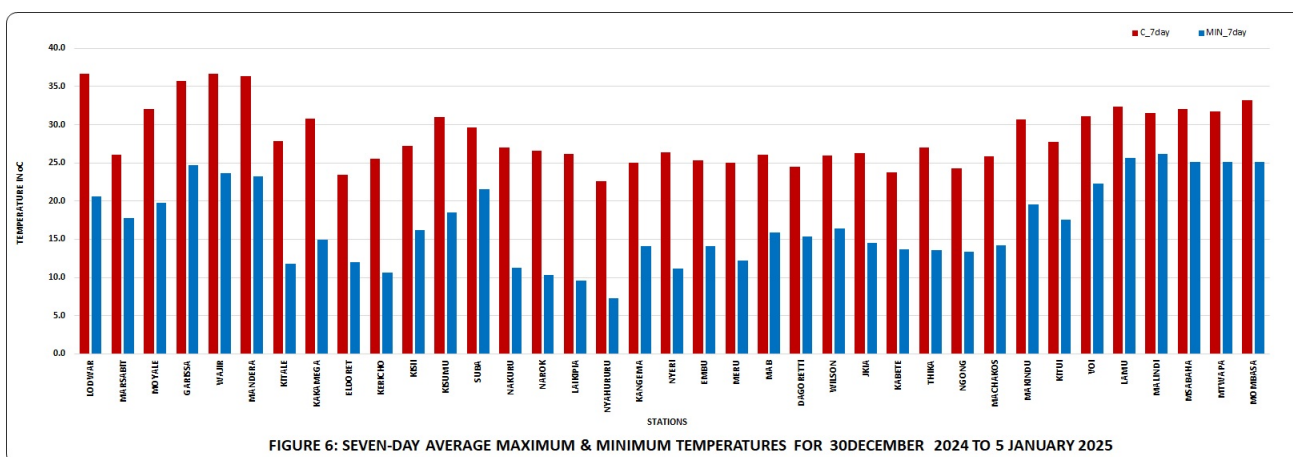


FIGURE 6: SEVEN-DAY AVERAGE MAXIMUM & MINIMUM TEMPERATURES FOR 30DECEMBER 2024 TO 5 JANUARY 2025

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%

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