



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
STATE DEPARTMENT FOR ENVIRONMENT & CLIMATE CHANGE
KENYA METEOROLOGICAL SERVICE AUTHORITY

Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya

Telephone: 254 (0) 20 3867880-7, 0724 255 153/4

E-mail: director@meteo.go.ke, info@meteo.go.ke **Website:** <https://www.meteo.go.ke>

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MONTHLY FORECAST FOR SEPTEMBER, OUTLOOK FOR THE NEXT THREE MONTHS (SEPTEMBER-OCTOBER-NOVEMBER) AND REVIEW OF AUGUST 2026

1.0 SUMMARY

1.1 Monthly Forecast for September 2026

Several parts of the country are likely to be generally sunny and dry. Predicted rainfall is likely to be below average over Trans Nzoia, Bungoma, Busia, Kakamega, Siaya, Vihiga, Nandi, Uasin-Gishu, Elgeyo Marakwet, West Pokot, Kisumu, Kericho, Nyamira, Kisii, Bomet, Migori, Homa Bay and parts of Narok, Nakuru, Baringo and Turkana Counties.

Near average rainfall is expected in Lamu, Kilifi, Mombasa, Kwale, the Tana Delta and extreme eastern parts of Mandera, Wajir and Garissa Counties.

Generally sunny and dry conditions with occasional rainfall are expected over Nairobi, Kiambu, Murang'a, Nyeri, Embu, Meru, Tharaka-Nithi, Kirinyaga, Nyandarua, Laikipia, Makueni, Kitui, Machakos, Taita-Taveta, Kajiado, Marsabit and most parts of Wajir, Mandera, Garissa, Narok, Nakuru and Tana River Counties. Mainly sunny and dry conditions are expected over Isiolo, Turkana and Samburu Counties.

Mean temperatures are expected to be warmer than average throughout the country.

1.2 Outlook for the Next Three Months (September-October-November 2026)

Several parts of the country are expected to experience dry conditions in September and widespread rainfall with localized heavy rainfall events in October and November. Trans Nzoia, Bungoma, Busia, Kakamega, Siaya, Vihiga, Nandi, Uasin-Gishu, Elgeyo Marakwet, Kisumu, Kericho, Nyamira, Kisii, Bomet, Migori, Homa Bay, Narok, West Pokot and Turkana Counties are expected to receive below average rainfall in September and above average rainfall in October and November.

Kwale, Kilifi, Mombasa, Lamu and parts of Tana River, Garissa, Wajir and Mandera Counties are likely to receive near average rainfall during the month of September and above average in October and November.

Taita Taveta, Mandera, Wajir, Marsabit, Murang'a, Nyeri, Embu, Meru, Tharaka-Nithi, Kirinyaga, Nyandarua, Laikipia, Kiambu, Nairobi, Machakos, Makueni, Kitui and much of Garissa Counties are expected to experience sunny and dry weather conditions with occasional rainfall in September

and above average rainfall in October and November. Most parts of Turkana, Samburu and Isiolo Counties are expected to be generally dry in September with above average rainfall October and November.

Mean temperatures are predicted to be warmer than average throughout the country.

1.3 August 2026 Review

Mainly sunny and dry weather conditions were observed in August 2026. Kericho, Nakuru, Lamu and Malindi recorded near to above average rainfall. Below average (depressed) rainfall was recorded in several counties most notably Kakamega, Uasin-Gishu, Trans-Nzoia, Nyandarua, Kilifi, Mombasa and Kwale.

Mean temperatures were warmer than average across the country.

2.0 RAINFALL FORECAST FOR SEPTEMBER 2026

2.1 September Rainfall Climatology

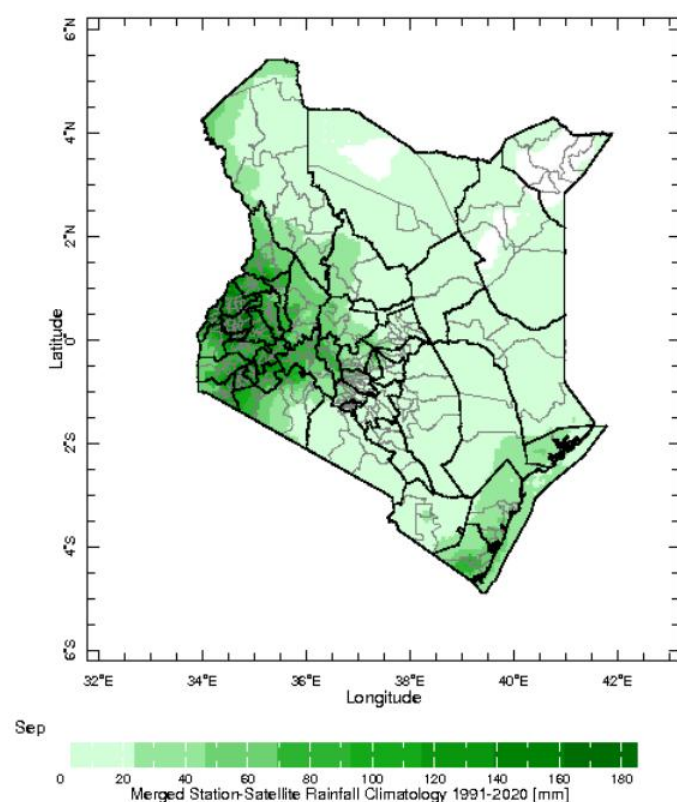


Figure 1: September rainfall climatology (1991-2020)

September marks the climatological transition period from the June-July-August season that is generally dry over most parts of the country, to the October-November-December short rainfall season.

While most of Kenya remains dry in September (Figure 1) due to subsidence from the southeast monsoon, Trans Nzoia, Bungoma, Busia, Kakamega, Siaya, Vihiga, Nandi, Uasin-Gishu, Elgeyo Marakwet, Kisumu, Kericho Nyamira, Kisii, Bomet, Migori, Homa Bay, parts of Narok, West Pokot, Baringo, Mombasa, Kwale, Kilifi, Lamu and coastal parts of Tana River counties normally receive rainfall due to the influence of the local moisture sources (Lake Victoria & Indian Ocean), topographic uplift, Congo air inflow, and jet-induced convergence that sustain convection.

2.2 Rainfall Forecast for September 2026

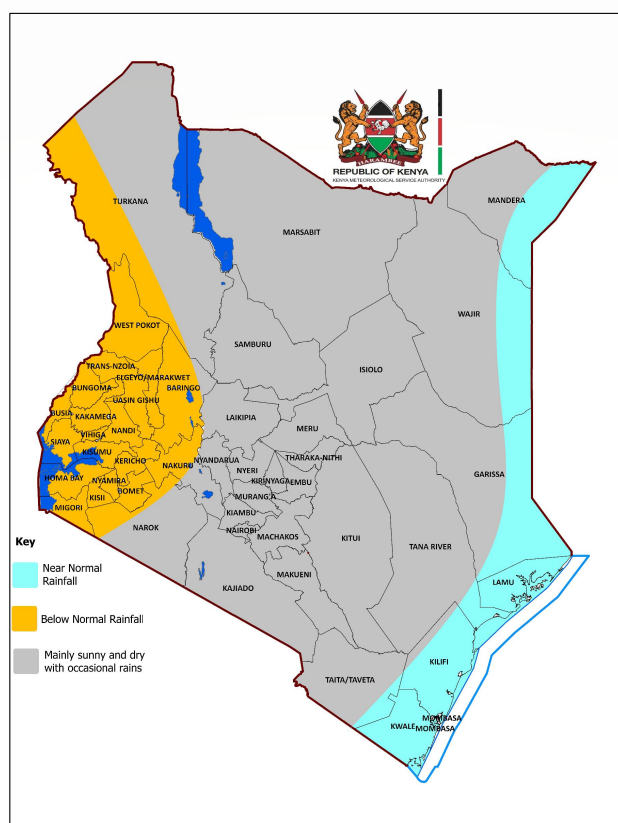


Figure 2: September 2026 rainfall forecast

Several parts of the country are likely to be generally sunny and dry. Predicted rainfall is likely to be below average over Trans Nzoia, Bungoma, Busia, Kakamega, Siaya, Vihiga, Nandi, Uasin-Gishu, Elgeyo Marakwet, West Pokot, Kisumu, Kericho, Nyamira, Kisii, Bomet, Migori, Homa Bay and parts of Narok, Nakuru, Baringo and Turkana Counties.

Near average rainfall is expected in Lamu, Kilifi, Mombasa, Kwale and parts of Tana River, Mandera, Wajir and Garissa Counties.

Generally sunny and dry conditions with occasional rainfall are expected over Nairobi, Kiambu, Murang'a, Nyeri, Embu, Meru, Tharaka-Nithi, Kirinyaga, Nyandarua, Laikipia, Makueni, Kitui, Machakos, Taita-Taveta, Kajiado, Marsabit and most parts of Wajir, Mandera, Garissa, Narok, Nakuru and Tana River Counties. Mainly sunny and dry conditions are expected over Isiolo, Turkana and Samburu Counties (Figure 2).

2.3 Detailed Regional Rainfall Forecast for September 2026

- 2.3.1 **Below average rainfall** is likely to occur over Trans Nzoia, Bungoma, Busia, Kakamega, Siaya, Vihiga, Nandi, Uasin-Gishu, Elgeyo-Marakwet, West Pokot, Kisumu, Kericho, Nyamira, Kisii, Bomet, Migori, Homa Bay, Baringo and parts of Narok, Nakuru, and Turkana Counties.
- 2.3.2 **Near average rainfall** is likely to occur in Lamu, Kilifi, Mombasa, Kwale and parts of Tana River, Mandera, Wajir and Garissa Counties.
- 2.3.3 **Generally sunny and dry conditions with occasional rainfall** are expected over Nairobi, Kiambu, Murang'a, Nyeri, Embu, Meru, Tharaka-Nithi, Kirinyaga, Nyandarua, Laikipia, Makueni, Kitui, Machakos, Taita-Taveta, Kajiado, Marsabit and most parts of Wajir, Mandera, Garissa, Narok, Nakuru and Tana River Counties.
- 2.3.4 **Generally sunny and dry conditions** are expected over most parts of Isiolo, Turkana and Samburu Counties.

3.0 TEMPERATURE FORECAST FOR SEPTEMBER 2026

3.1 September Temperature Climatology

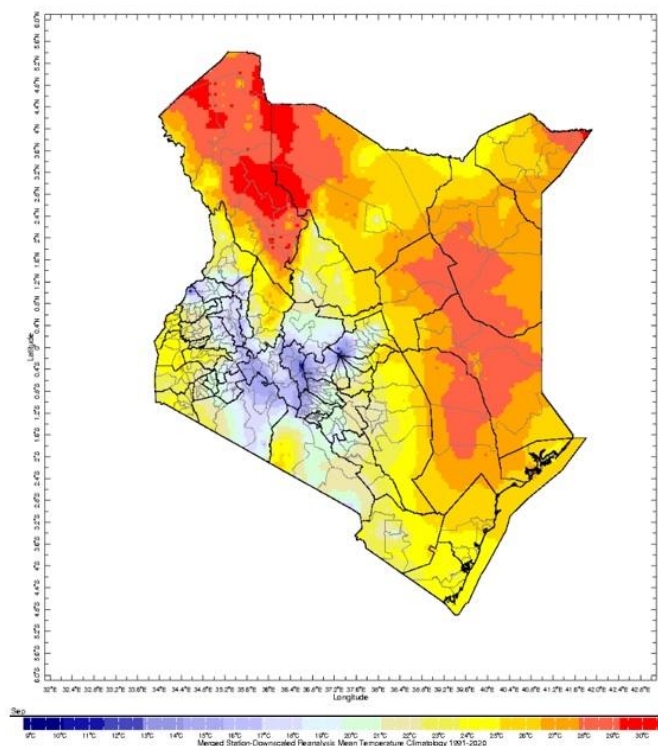


Figure 3: September Mean Temperature Climatology (1991-2020)

neighbouring regions.

3.2 Detailed Regional Temperature Forecast for September 2026

Mean temperatures are expected to be warmer than average throughout the country more so over Garissa, Wajir, Mandera, Isiolo, Turkana and Samburu counties. Predicted maximum and minimum temperature ranges for individual counties are shown in Table 1.

Table 1: Maximum and Minimum Temperature Ranges

Counties	Maximum Temperature Range	Minimum Temperature Range
Nandi, Kakamega, Vihiga, Bungoma, Siaya, Busia, Baringo, Nakuru, Trans-Nzoia, Uasin-Gishu, Elgeyo-Marakwet, West-Pokot, Kisii, Nyamira, Kericho, Bomet, Kisumu, Homabay, Migori and Narok Counties.	21°C to 32°C	08°C to 22°C
Turkana and Samburu Counties	22°C to 38°C	08°C to 28°C
Nyandarua, Laikipia, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, Tharaka-Nithi and Nairobi Counties	19°C to 31°C	05°C to 17°C
Marsabit, Mandera, Wajir, Garissa and Isiolo Counties	24°C to 39°C	14°C to 26°C
Machakos, Kitui, Makueni, Kajiado and Taita-Taveta Counties as well as the inland parts of Tana-River County	24°C to 34°C	10°C to 22°C
Mombasa, Kilifi, Lamu and Kwale Counties and the Tana Delta	28°C to 32°C	20°C to 25°C

4.0 WIND FORECAST FOR SEPTEMBER 2026

Strong southerly to south-easterly/easterly winds, with speeds exceeding 25 knots (12.86 m/s), are expected to occur intermittently during the first half of the month in some parts of Marsabit,

Turkana, Samburu, Isiolo, Wajir, Mandera, Garissa, Tana River, Kitui, Makueni, Kajiado, Taita Taveta, Kwale, Mombasa, Kilifi and Lamu Counties.

5.0 POTENTIAL SECTORAL IMPACTS OF THE SEPTEMBER 2026 RAINS

5.1 Agriculture and Livestock

The below average rainfall expected over Trans Nzoia, Bungoma, Busia, Kakamega, Siaya, Vihiga, Nandi, Uasin-Gishu, Elgeyo Marakwet, West Pokot, Kisumu, Kericho, Nyamira, Kisii, Bomet, Migori, Homa Bay and parts of Narok, Nakuru and Baringo Counties may be conducive for harvesting. There may be a shortage of food, water and pasture in these areas due to the dry period experienced in the previous months that led to loss of crops.

The expected sunny and dry weather conditions over Laikipia, Makueni, Kitui, Machakos, Marsabit, Wajir, Mandera, Garissa, Isiolo, Taita Taveta, Kajiado, and parts of Narok and Tana River counties may result in pasture and water shortages in these areas.

5.2 Transport and Infrastructure

In Kwale, Lamu, Mombasa and Kilifi Counties, intermittent rainfall may make roads slippery and affect construction activities.

Fog formation in Nyandarua, Laikipia, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, Tharaka-Nithi and Nairobi Counties may pose a danger to motorists due to low visibility. Fog may occasionally lead to interruption of operations at Wilson and Jomo Kenyatta Airports.

5.3 Health

The expected dry weather conditions may lead to an increase in respiratory diseases in Garissa, Mandera, Marsabit, Isiolo, Taita Taveta, Wajir, and Tana River Counties. Strong winds and dry conditions may lead to dust storms, which may aggravate respiratory problems and increase the risk of eye infections.

5.4 Disaster Management and Humanitarian Response

A number of ASAL counties including Isiolo, Garissa, Turkana, Baringo and West Pokot remain under drought stress. The dry conditions anticipated in September 2026 are likely to lead to reduced pasture and water availability, declining livestock productivity, worsening food insecurity, increased acute malnutrition, longer water-trekking distances, and heightened disease risks in these counties.

5.5 Water Resources Management and the Energy Sectors

Water availability in Mandera, Wajir, Isiolo, Marsabit, Garissa, Turkana and Samburu Counties may decline due to the dry weather conditions expected in these areas. The water catchment areas in Mt. Elgon and Mau Escarpment are expected to receive below average rainfall while those over Mt. Kenya are expected to experience mainly dry weather conditions. This may adversely affect water levels in hydro-electric dams.

6.0 OUTLOOK FOR SEPTEMBER-OCTOBER-NOVEMBER 2026

Several parts of the country are expected to experience dry conditions in September and widespread rainfall with localized heavy rainfall events in October and November. Trans Nzoia, Bungoma, Busia, Kakamega, Siaya, Vihiga, Nandi, Uasin-Gishu, Elgeyo Marakwet, Kisumu, Kericho, Nyamira, Kisii, Bomet, Migori, Homa Bay, Narok, West Pokot and Turkana Counties are expected to receive below average rainfall in September and above average rainfall in October and November.

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Taita Taveta, Mandera, Wajir, Marsabit, Murang'a, Nyeri, Embu, Meru, Tharaka-Nithi, Kirinyaga, Nyandarua, Laikipia, Kiambu, Nairobi, Machakos, Makueni, Kitui and much of Garissa Counties are expected to experience sunny and dry weather conditions with occasional rainfall in September and above average rainfall in October and November. Most parts of Turkana, Samburu and Isiolo Counties are expected to be generally dry in September with above average rainfall October and November.

Mean temperatures are likely to be warmer than average over most parts of the country.

Strong southerly/south-easterly/easterly winds with speeds exceeding 25 knots (12.86 m/s) are expected over Kwale, Kilifi, Mombasa, Lamu, Tana River, Kitui, Taita Taveta, Garissa, Wajir, Mandera, Isiolo, Marsabit, Turkana and Samburu counties during the first half of September.

7.0 AUGUST 2026 REVIEW (AS AT 29TH AUGUST 2026)

7.1 Review for August 2026 Rainfall Performance

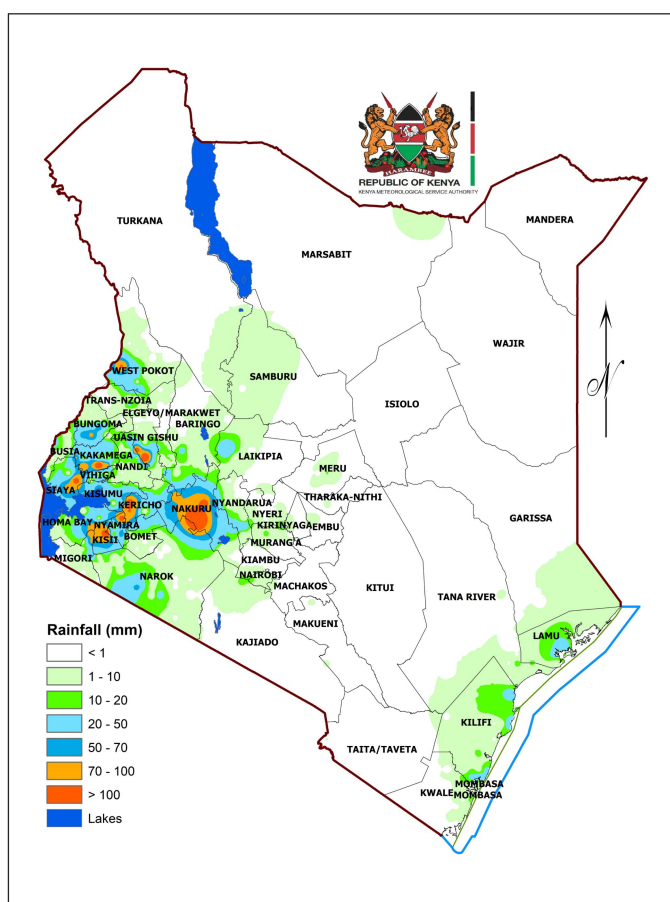


Figure 4: August 2026 rainfall totals.

Mainly sunny and dry weather conditions were observed in August 2026. Kericho Meteorological Station recorded the highest monthly rainfall total of 267.9 mm (Figure 4). On the other hand, Lodwar, Marsabit, Garissa, Wajir, Mandera, Machakos, Makueni, Voi, Wilson and JKIA Meteorological Stations did not record any rainfall (0mm).

Moi University Automatic Weather Station in Uasin-Gishu County recorded the highest amount of rainfall within 24-hours: 64.3 mm on 1st August 2026.

Figure 5 compares the total rainfall amounts recorded in August (Blue bars) to August LTMs (Orange bars). From this figure a few stations notably Kericho, Nakuru and Lamu, surpassed their August LTMs. Conversely, several stations including Kakamega, Kitale, Kisii, Eldoret and Nyahururu recorded rainfall that was below their August LTMs.

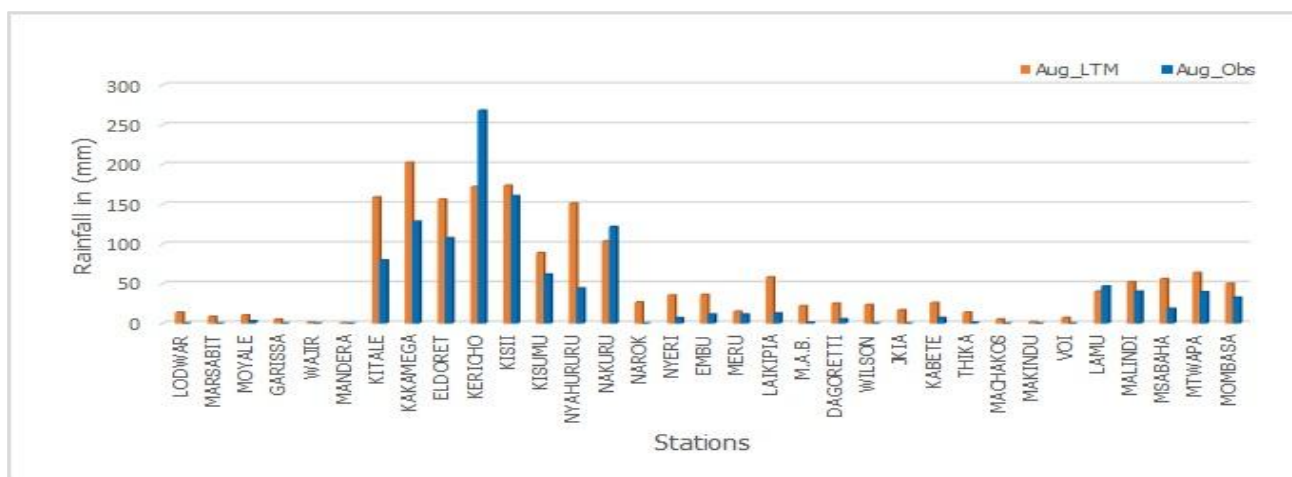


Figure 5: August 2026 rainfall totals against August LTMs

7.2 Review for August 2026 Temperatures

7.2.1 Maximum Temperature Review

Most parts of the country recorded warmer than average maximum (daytime) temperatures (Figure 6). The highest positive anomaly (3.6°C) was recorded at Kisii Meteorological Station. Mandera Meteorological Station recorded the highest daily maximum temperature: 38.8°C on 22nd August 2026.

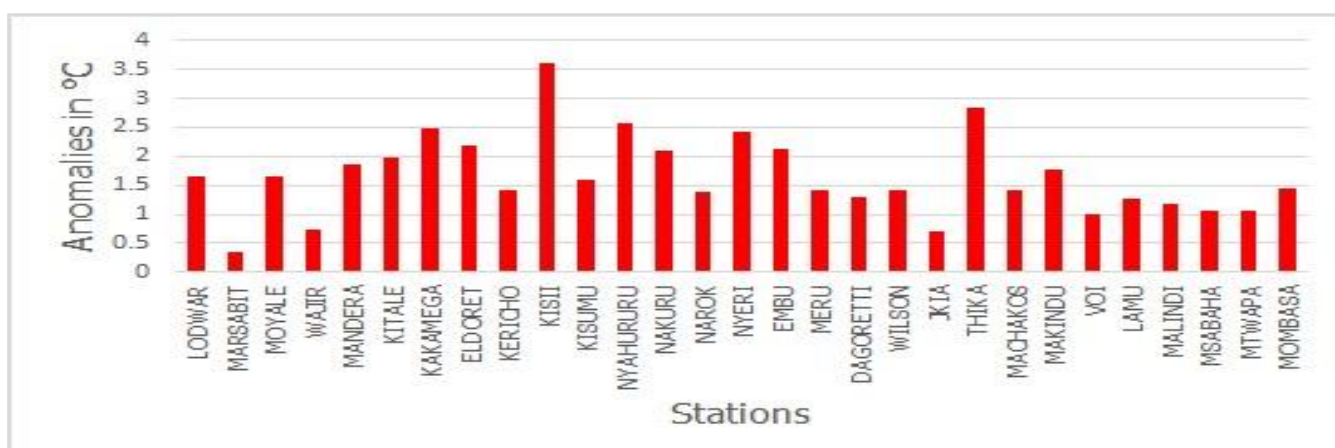


Figure 6: August 2026 Maximum Temperature Anomalies

7.2.2 Minimum Temperature Review

Minimum (night-time) temperatures were warmer than average in most parts of the country (Figure 7). Nyahururu Meteorological Station recorded the lowest negative anomaly (-0.2°C). The latter station recorded the lowest daily minimum temperature: 3.7°C on 29th August 2026.

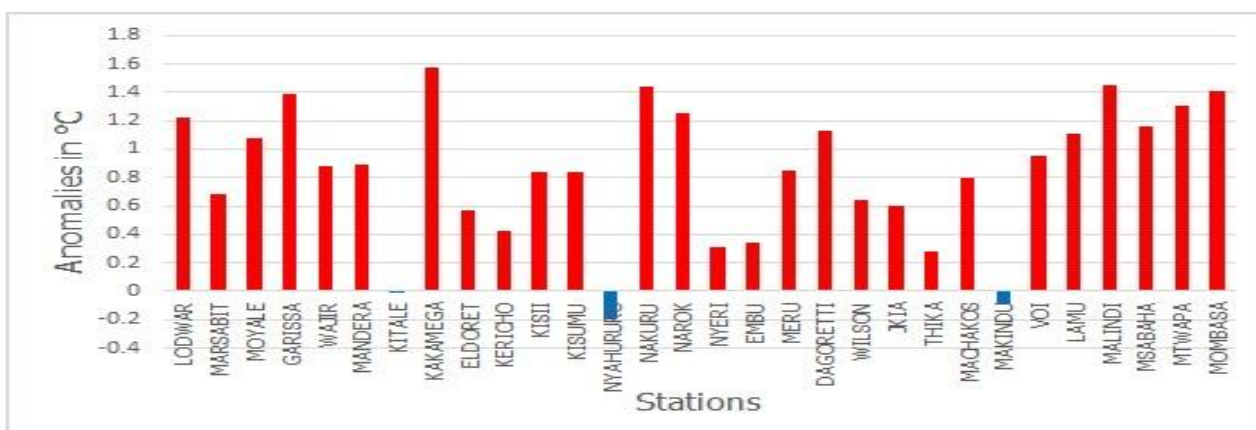


Figure 7: August 2026 Minimum Temperature Anomalies

7.2.3 Mean Temperature Review

Mean temperatures were warmer than average across all the stations with Kisii station recording the highest mean temperature of 2.2°C. (Figure 8).

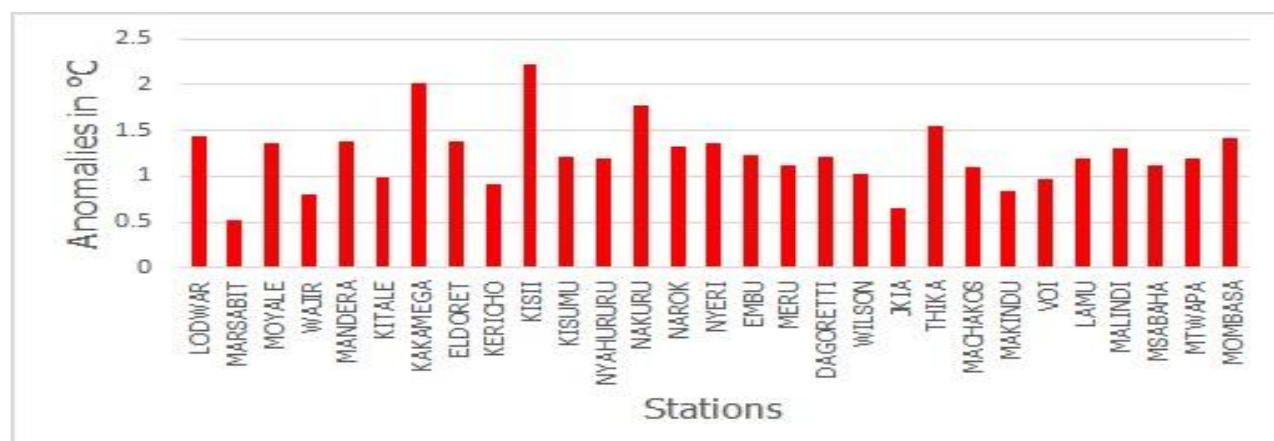


Figure 8: August 2026 Mean Temperature Anomalies

N.B: This outlook should be used together with the 24-hour, 5-day, 7-day and special forecasts as well as regular updates/advisories issued by this Authority. County specific weekly forecasts and monthly outlooks are available from the offices of respective County Directors of Meteorological Services.

Charles Mugah

For Ag. DIRECTOR GENERAL, KENYA METEOROLOGICAL SERVICE AUTHORITY

APPENDIX I: INTERPRETATION OF TERMS USED

Term	Rainfall Amount (24 hrs.)	Description
Below normal/average	< 75% of the LTM	Depressed rainfall.
Normal/average	75% to 125% of the LTM	Near average rainfall.
Above normal/average	>125% of the LTM	Enhanced rainfall.
LTM		Long term mean

Term	Rainfall Amount (24 hrs.)	Description
Light	< 5 mm	Gentle rain, drizzle.
Moderate	5–20 mm	Steady, noticeable rain.
Heavy	21–50 mm	Intense rain, possible thunder.
Very Heavy	> 50 mm	Prolonged rain, high intensity.

Term	Area Affected	Description
Few places	< 33%	Rain in a small portion of the region.
Several places	33% to 66%	Rain in multiple but not most parts of the region.
Most places	> 66%	Rain in nearly all parts of the region.

Term	Area Affected	Description
Isolated	Less than 25%	Very few areas affected.
Scattered	25–50%	Several, but not most, areas affected.
Numerous	51–70%	Many areas affected.
Widespread	Over 70%	Almost all areas affected.

Term	Time Coverage (%)	Meaning
Occasional	Less than 25%	Happens rarely or a few times.
Intermittent	25% – 50%	Starts and stops, comes and goes.
Frequent	51% – 75%	Occurs regularly.
Very Frequent / Common	More than 75%	Happens almost all the time.

Term	Probability of Occurrence	Description
Possible	10–30%	There is low confidence.
Chance of/ May	31–50%	There is moderate confidence.
Likely	51–75%	The event is more probable than not.
Expected	76–90%	There is high confidence.
Very Likely	91–99%	There is very high confidence. Almost certain.
Certain	100%	The event is guaranteed to occur.