



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 13TH TO 19TH AUGUST, 2019

Issue date: 12th August, 2019

Review of weather for the last seven-day period (5th to 11th August, 2019):

- Significant rainfall was recorded over the Lake Victoria Basin, the Highlands West of the Rift Valley and the Central Rift Valley;
- There were increases in rainfall amounts over some parts of the country and decreases over others;
- Day-time (maximum) temperatures increased over most areas while night-time (minimum) temperatures decreased over much of the country.

Forecast for the next seven days (13th to 19th August, 2019):

The forecast indicates that:

- Cool and cloudy conditions are expected over the Highlands East of the Rift Valley (including Nairobi area).
- Rainfall is expected to continue over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley.
- Strong winds of more than 25 knots are expected over the Eastern half of the country.

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (5TH TO 11TH AUGUST, 2019)

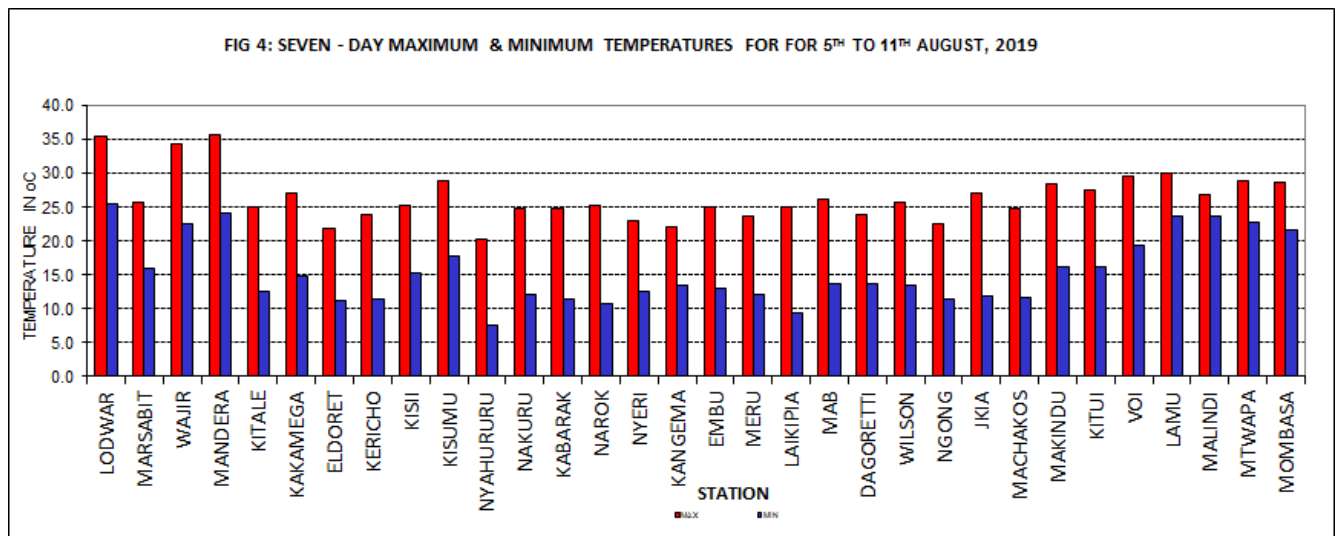
1.1 Rainfall Review

Significant rainfall was recorded over the Lake Victoria Basin, the Highlands West of the Rift Valley and the Central Rift Valley. Light to moderate rainfall was recorded in some parts of the Highlands East of the Rift Valley and the Coast. The rest of the country remained mainly dry (see **Figure 1**). A comparison between the previous review period (29th July to 4th August, 2019) and the current review period (5th to 11th August, 2019) indicates increases in rainfall amounts in some parts of the Lake Victoria Basin, the Highlands West of the Rift Valley and the Central Rift Valley while the rest of the country recorded decreases.

Lake Bogoria KWS Station in Baringo County recorded the highest seven-day total rainfall of 93.2mm. Other stations that recorded significant rainfall totals during the review period include Eldoret Airport (81.9mm), Kitale Meteorological Station (75.8mm), Kabarnet WRA Offices (62.8mm), Kisii Meteorological Station (41.2mm) and Nyamira D.O's Office (38.0mm) as depicted in **Figure 2**.

Comparing the previous review period (29th July to 4th August, 2019) and the current review period (5th to 11th August, 2019) it is noted that day-time (maximum) temperatures increased over most parts of the country with the exception of a few stations including Malindi, Meru and Eldoret. Night-time (minimum) temperatures decreased over most stations with the exception of some like Kangema, Dagoretti and Lodwar.

Mandera Meteorological Station recorded the highest daily maximum temperature of 38.2 °C on 6th August, 2019 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.4°C on 8th August, 2019. The same stations recorded the highest seven-day average maximum temperatures of 35.7°C and the lowest seven-day average minimum temperatures of 7.5°C respectively. See **Figure 4** below.



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 13TH TO 19TH AUGUST, 2019.

The forecast for the next seven-day period indicates that:

- Cool and cloudy conditions are expected over the Highlands East of the Rift Valley (including Nairobi area). See **Figures 5 & 6** below.
- Rainfall is expected to continue over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley. See **Figure 7** below.
- Strong winds of more than 25 knots are expected over the Eastern half of the country.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 13TH TO 19TH AUGUST, 2019.

The Lake Victoria Basin, the Highlands West of the Rift Valley and the Central and South Rift Valley (Counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Trans Nzoia, Baringo, Uasin Gishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are likely to experience mainly sunny intervals in the morning throughout the forecast period. Afternoon/evening showers and thunderstorms are expected over several places on Tuesday and over few places on the remaining days.

Northwestern (Counties of Turkana, West Pokot and Samburu) is likely to experience sunny intervals during the day and partly cloudy conditions at night throughout the forecast period.

Highlands East of the Rift Valley (including Nairobi area) (Counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are likely to experience cool and cloudy conditions in the morning breaking into sunny intervals throughout the forecast period. There is a chance of afternoon/evening showers occurring over few high-ground areas throughout the forecast period.

Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) is likely to experience sunny intervals during the day and partly cloudy conditions at night throughout the forecast period.

Southeastern Lowlands (Counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta) are likely to experience sunny intervals during the day and partly cloudy conditions at night throughout the forecast period.

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): is likely to experience mainly sunny intervals during the day and partly cloudy conditions at night throughout the forecast period. However there is a chance of isolated morning showers occurring over few places.

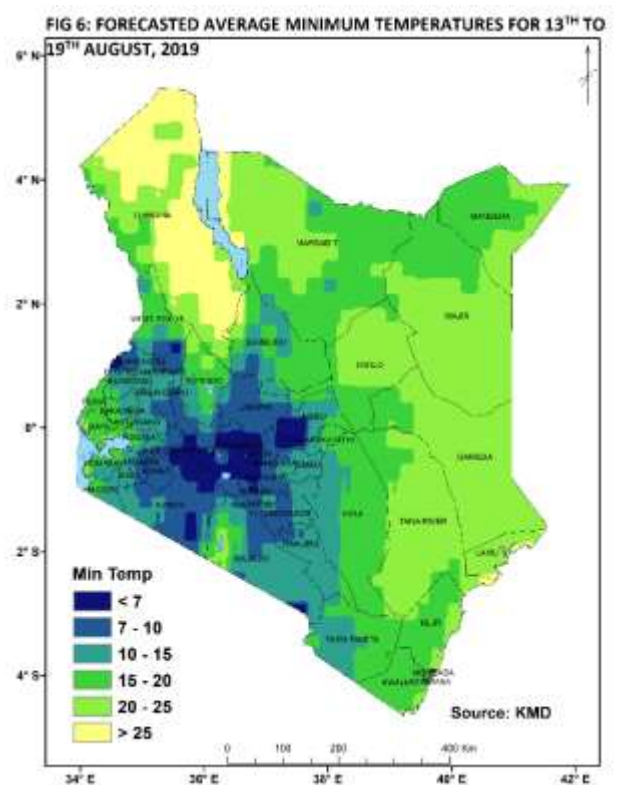
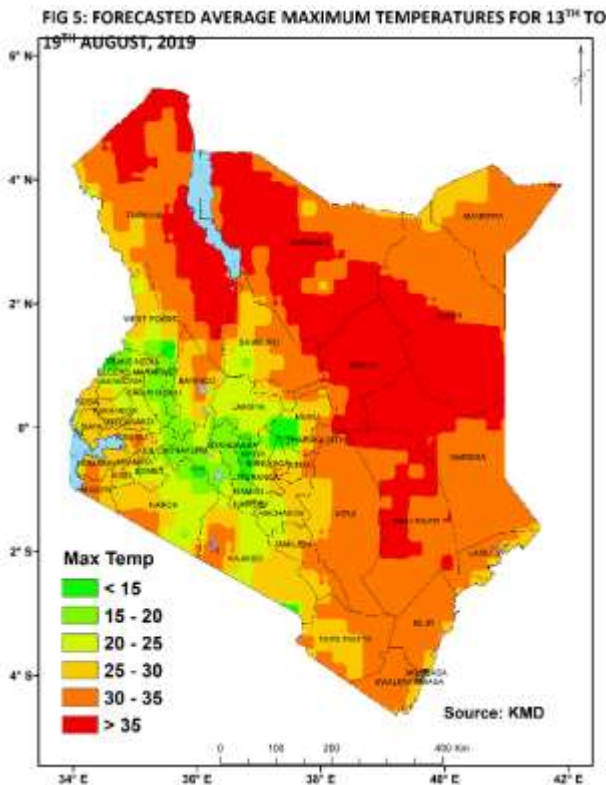
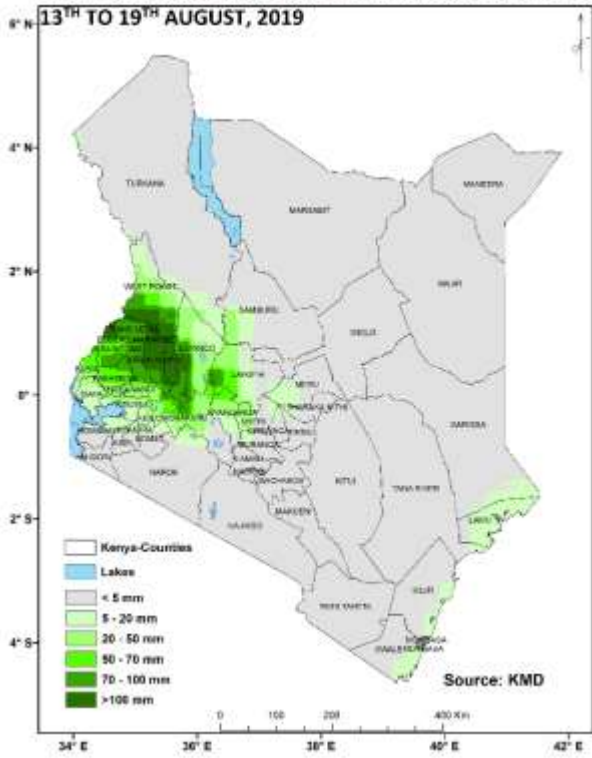


FIG 7: FORECASTED CUMULATED RAINFALL AMOUNTS FOR 13TH TO 19TH AUGUST, 2019



N.B: This forecast should be used in conjunction with the daily (24-hour) forecast issued by this Department.

KEY OF SCIENTIFIC WORDS USED

<i>Rainfall coverage</i>	
<i>Term</i>	<i>Meaning</i>
Most Places	Between 66% and 100%
Several Places	Between 33% and 66%
Few Places	Below 33%

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