



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 6TH TO 12TH AUGUST, 2019

Issue date: 5th August, 2019

<p>Review of weather for the last seven-day period (29th July to 4th August, 2019):</p> <ul style="list-style-type: none"> • Rainfall was recorded over most parts of the country but the northern counties remained mainly dry; • There were significant increases in rainfall amounts over most parts of the country; • Both day-time (maximum) temperatures and night-time (minimum) temperatures increased over some areas and decreased over others 	<p>Forecast for the next seven days (6th to 12th August, 2019):</p> <p>The forecast indicates that:</p> <ul style="list-style-type: none"> • Early morning cloudiness is expected over the Highlands East of the Rift Valley (including Nairobi area). The first few days of the forecast period are likely to be relatively warm. • Rainfall is expected to continue over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley and parts of the Northwest and the Coast; • Strong winds of more than 25 knots are expected over the Eastern half of the country.
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1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (29TH JULY TO 4TH AUGUST, 2019)

1.1 Rainfall Review

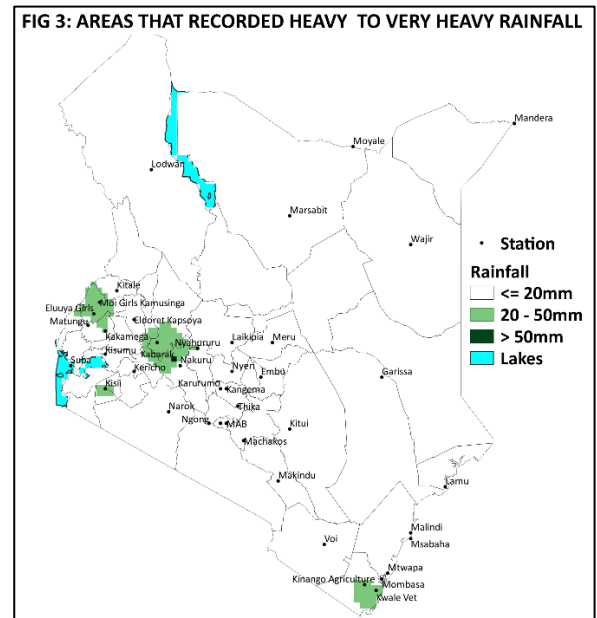
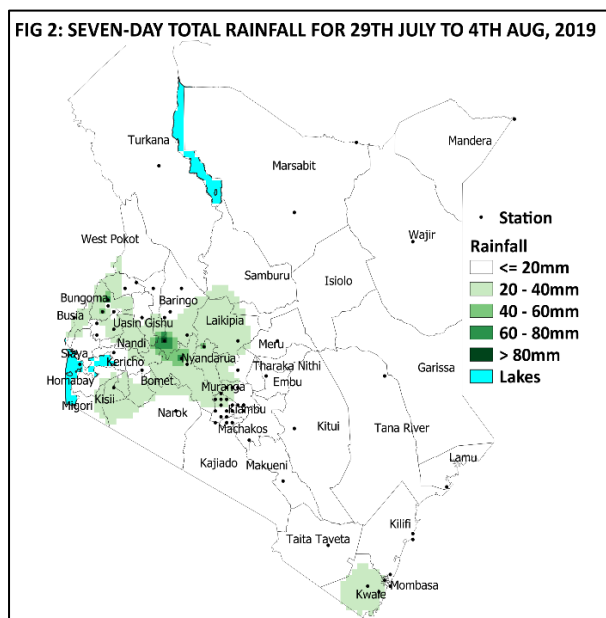
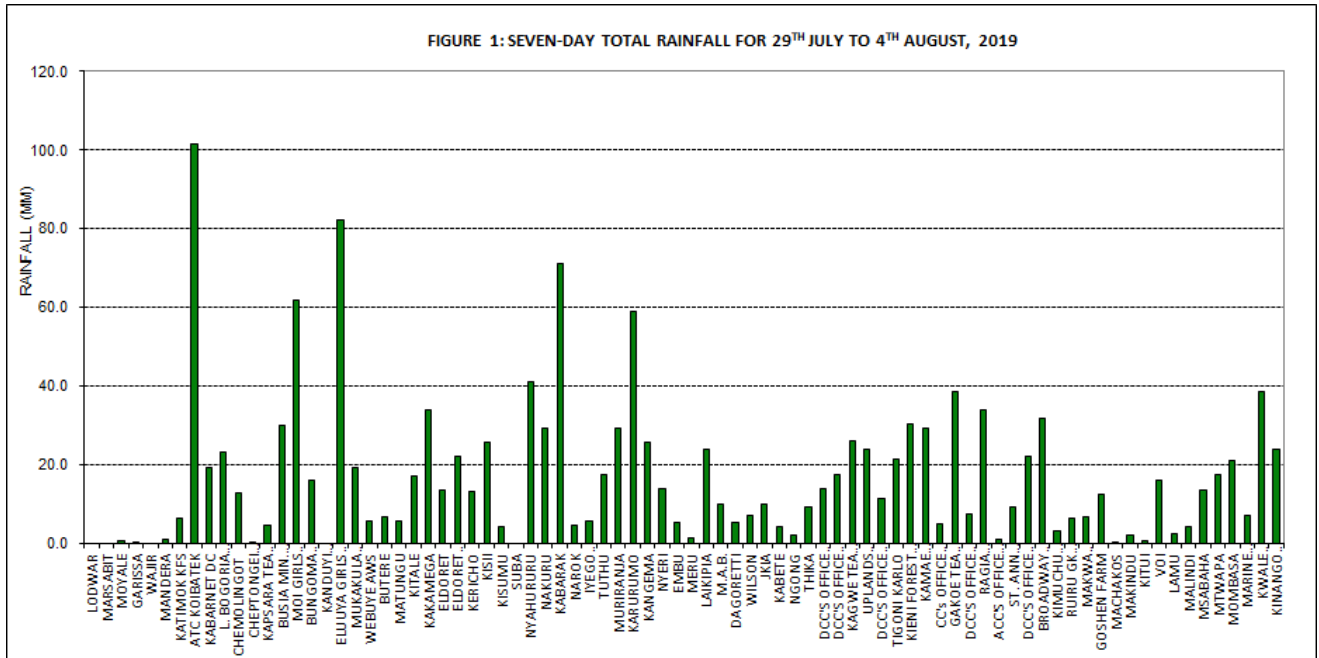
Rainfall was recorded over most parts of the country, as depicted in **Figure 1**. However, the northern counties remained mainly dry. A comparison between the previous review period (22nd to 28th July, 2019) and the current review period (29th July to 4th August, 2019) indicates significant increases in rainfall amounts over most parts of the country.

ATC Koibatek Rainfall Station in Baringo County recorded the highest seven-day total rainfall of 101.4mm. Other stations that recorded significant rainfall totals during the review period include Eluuya Girls in Bungoma County (82.3mm), Kabarak Meteorological Station (71.1mm), Moi Girls Kamusinga in Bungoma County (62.0mm), Karurumo Rainfall Station in Kangema County (59.0mm) and Nyahururu Meteorological Station (41.1mm) as depicted in **Figure 2**.

Rainfall categories	
Range	Category

<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

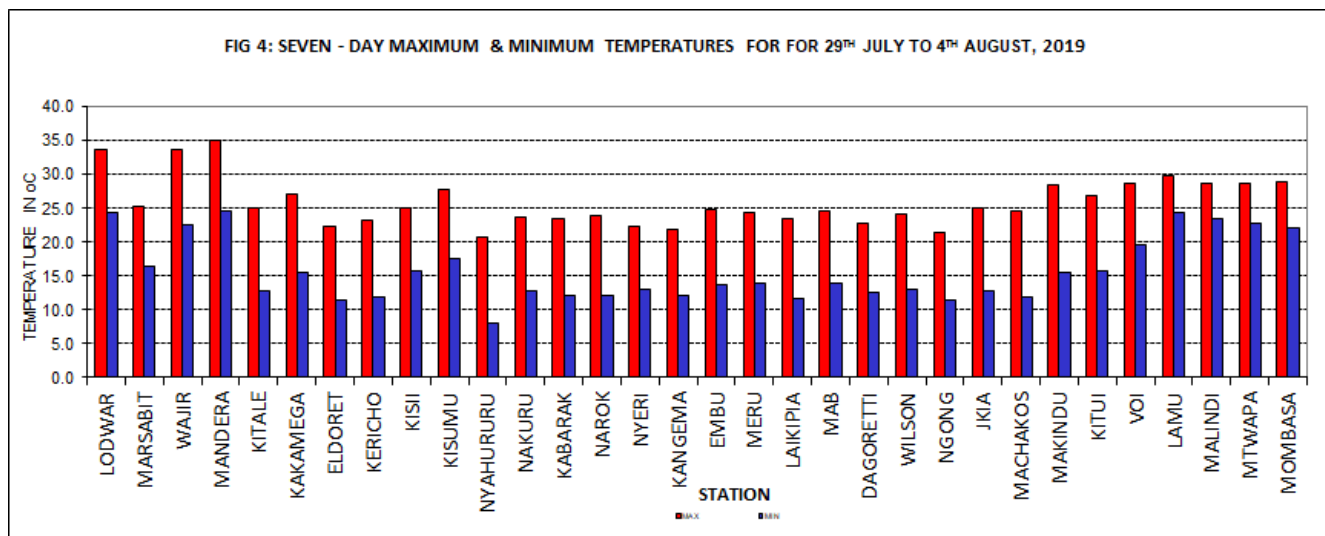
Very heavy rainfall of 55.3mm was recorded in Kabarak Meteorological Station on 31st July, 2019. Moreover, heavy rainfall was recorded in various parts of the country including ATC Koibatek (49.0mm on 29th July, 2019), Eluuya Girls (48.3mm on 1st August, 2019), Moi Girls Kamusinga (40.0mm on 2nd August, 2019), Kwale Veterinary Offices (38.4mm on 1st August, 2019), and Kinango Agricultural Offices in Kwale County (24.0mm on 1st August, 2019) as depicted in **Figure 3**.



1.2 Temperature Review

Comparing the previous review period (22nd to 28th July, 2019) and the current review period (29th July to 4th August, 2019) it is noted that day-time (maximum) temperatures increased over some stations including Lodwar, Embu and Meru and decreased over others including Narok, Ngong and Dagoretti. Night-time (minimum) temperatures also increased over some stations including Moi Air Base, Machakos and Makindu and decreased over others including Nyahururu, Eldoret and Kitale.

Mandera Meteorological Station recorded the highest daily maximum temperature of 37.0°C on 2nd August, 2019 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 4.2°C on 3rd August,, 2019. The same stations recorded the highest seven-day average maximum temperatures of 35.1°C and the lowest seven-day average minimum temperatures of 8.0°C respectively. See **Figure 4** below.



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 6TH TO 12TH AUGUST, 2019.

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

- Early morning cloudiness is expected over the Highlands East of the Rift Valley (including Nairobi area).The first few days of the forecast period are likely to be relatively warm. 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 and parts of the Northwest and the Coast. 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 6TH TO 12TH 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 between Tuesday and Friday. Morning rains are expected over few places on the last three days of the forecast period. Afternoon/evening showers and thunderstorms are expected over few places between Tuesday and Friday and over several places thereafter.

Northwestern (Counties of Turkana, West Pokot and Samburu) is likely to experience morning rains and afternoon/evening showers and thunderstorms over few places for much of 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 early morning cloudiness 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, Makeni, 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 for much of the forecast period. However morning showers are likely over few places throughout the forecast period.

FIG 5: FORECASTED AVERAGE MAXIMUM TEMPERATURES FOR 6TH TO 12TH AUGUST, 2019

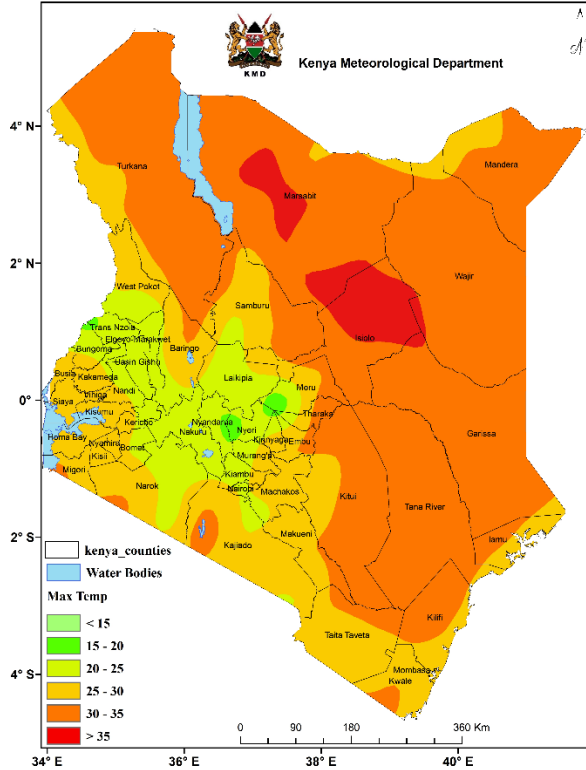


FIG 6: FORECASTED AVERAGE MINIMUM TEMPERATURES FOR 6TH TO 12TH AUGUST, 2019

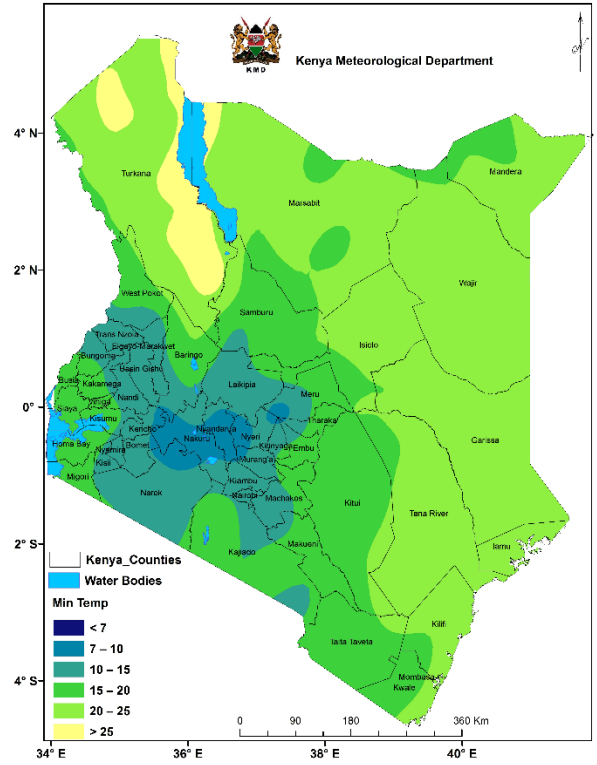
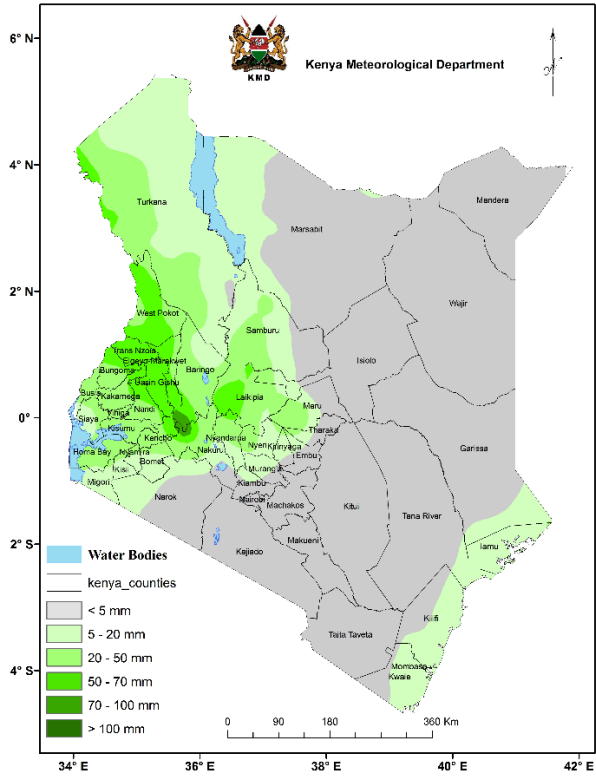


FIG 7: FORECASTED CUMULATED RAINFALL AMOUNTS FOR 6TH TO 12TH AUGUST, 2019



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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