



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 23RD TO
29TH OCTOBER, 2018

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Review of weather for the last seven-day period (15th to 21st October, 2018):

- Rainfall continued to be received over several parts of the country;
- There was a significant increase in rainfall amounts over the Northeast and parts of the Highlands West of the Rift valley;
- Both day-time (maximum) temperatures and night-time (minimum) temperatures increased over some stations and decreased over others.

Forecast for the next seven days (23rd to 29th October, 2018):

The forecast indicates that:

- Rainfall is expected over several parts of the country mainly within the Coast, the Northeast, the Southeast Lowlands and parts of the Central Highlands;
- Strong southerly to southeasterly winds of more than 25 knots are expected over the eastern half of the country and the Northwest.

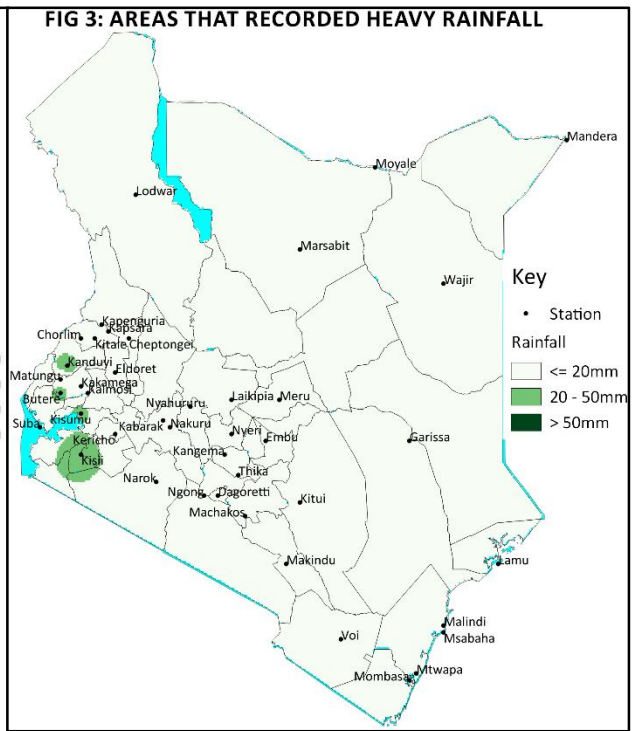
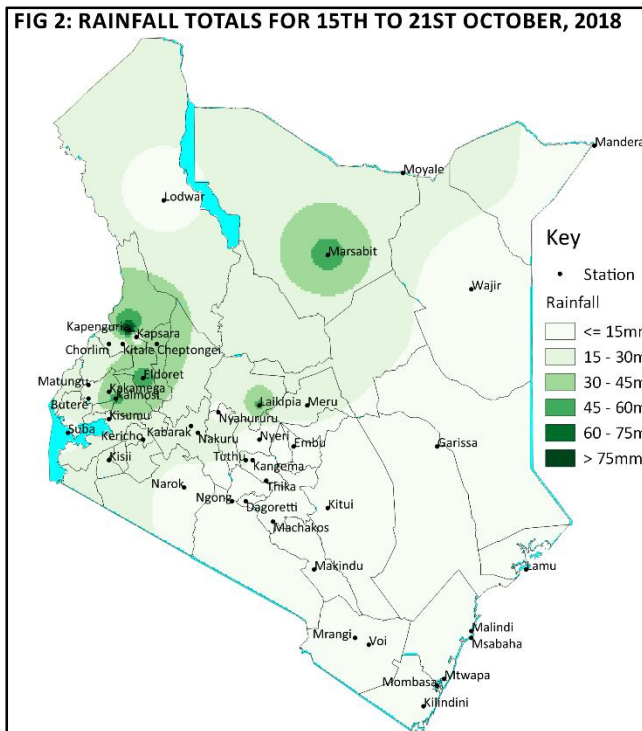
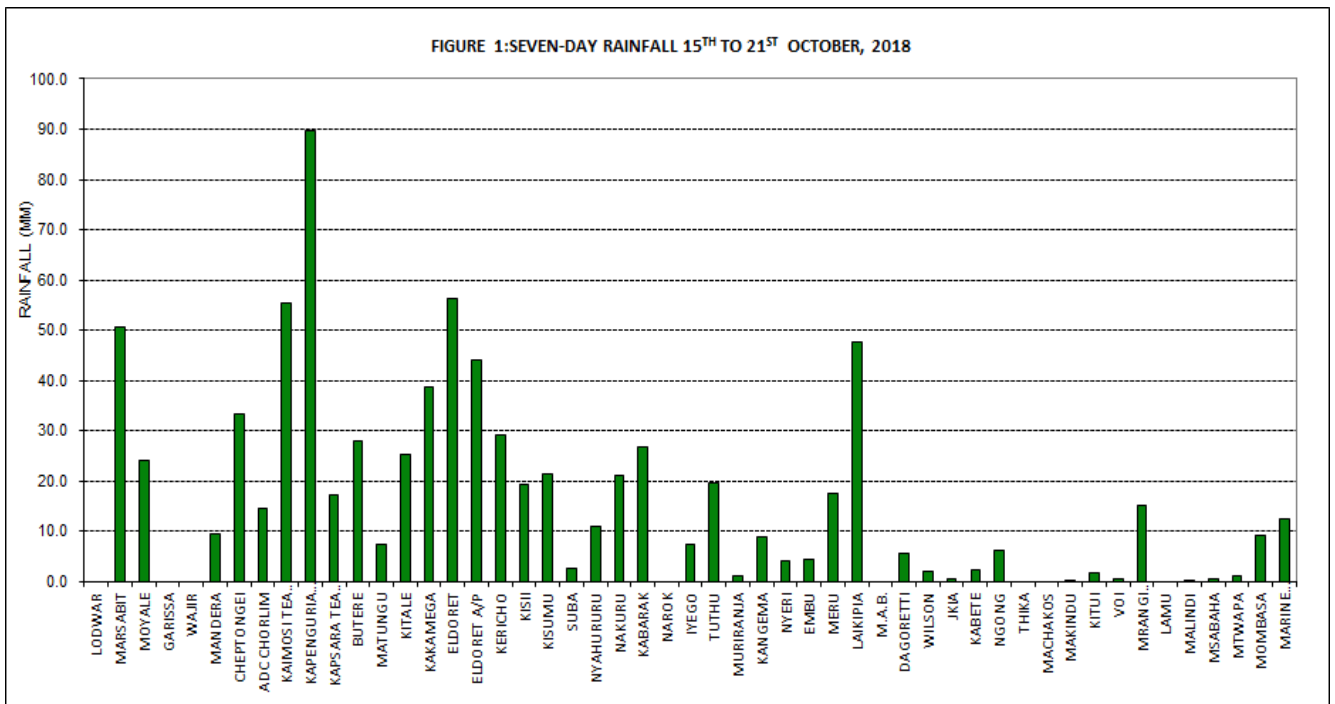
1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (15TH TO 21ST OCTOBER, 2018)

1.1 Rainfall Review

Rainfall continued to be received over several parts of the country as depicted in **Figures 1** and **2**. A comparison between the previous seven days (8th to 14th October, 2018) with the current review period (15th to 21st October, 2018) indicates a significant increase in rainfall amounts over the Northeast and parts of the Highlands West of the Rift valley. Stations within Nairobi recorded decreased rainfall amounts.

During the period under review, Kapenguria WRMA recorded the highest seven-day total rainfall of 89.7mm. Other stations that recorded significant seven-day total rainfall amounts include Eldoret Meteorological Station (56.3mm), Kaimosi Tea Factory in Vihiga County (55.5mm), Marsabit Meteorological Station (50.6mm) and Laikipia Meteorological Station (47.7mm).

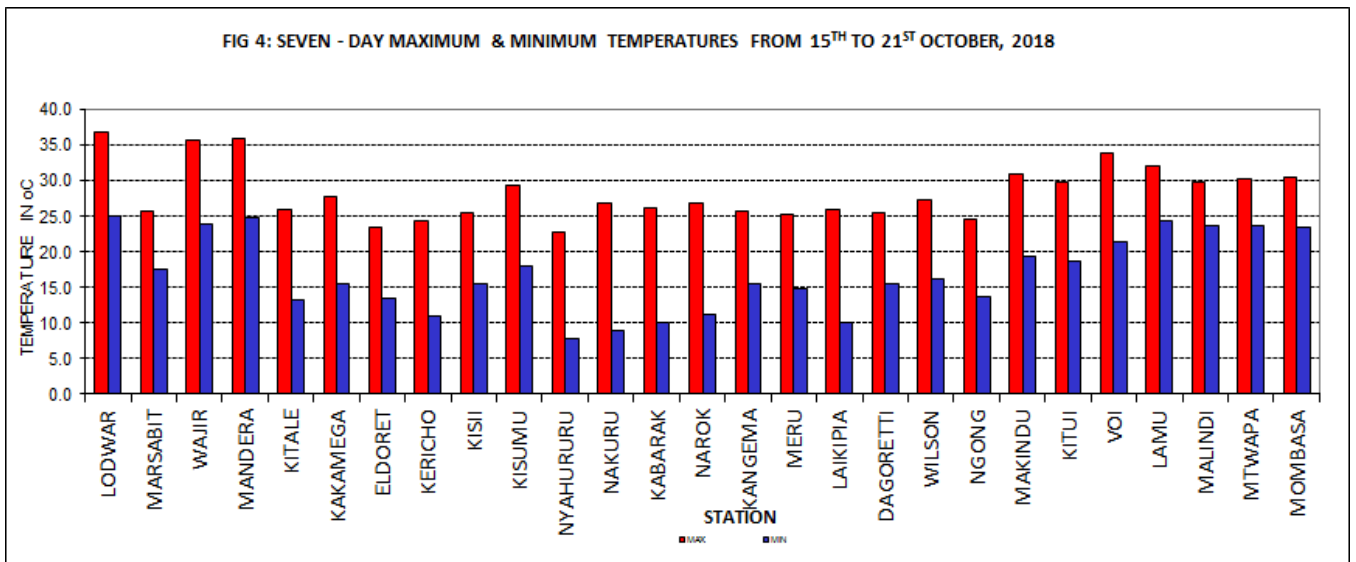
Kapenguria WRMA recorded the highest amount of rainfall within 24 hours i.e. 46.6mm on 15th October, 2018. Other stations that recorded heavy rainfall (20-50mm within 24hrs) include Marsabit, Eldoret, Laikipia, and Moyale Meteorological Stations as depicted in **Figure 3**.



1.2 Temperature Review

Comparing the previous review period (8th to 14th October, 2018) with the current review period (15th to 21st October, 2018) it is noted that day-time (maximum) temperatures increased over some stations including Voi, Kangema and Kakamega and decreased over others like Meru, Eldoret and Kitale. Night-time (minimum) temperatures also increased over some stations like Makindu, Narok and Dagoretti and decreased over others like Kabarak, Nakuru and Laikipia.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 37.6°C on 15th and 16th October, 2018 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.1°C on 21st October, 2018. The same stations recorded the highest seven-day average maximum temperature of 36.8°C and the lowest seven-day average minimum temperature of 7.9°C respectively (see **Figure 4** below).



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 23RD TO 29TH OCTOBER 2018.

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

- Rainfall is expected over several parts of the country mainly within the Coast, the Northeast, the Southeast Lowlands and parts of the Central Highlands;
- Strong southerly to southeasterly winds of more than 25 knots are expected over the eastern half of the country and the Northwest.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 23RD TO 29TH OCTOBER 2018.

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

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

Central Highlands (including Nairobi area) (Counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are likely to experience early morning cloudiness with rains over few places during the second half of the forecast period; the remaining mornings are likely to experience cloudiness that will give way to sunny intervals. Afternoon/night showers are expected over few places throughout the forecast period.

Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are likely to experience morning rains and afternoon/night showers over few places throughout the forecast period.

Southeastern Lowlands (Counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta) are likely to experience sunny intervals in the morning on Tuesday and Wednesday. Morning rains are expected over few places on the other days. Afternoon/evening showers are expected over few places throughout the forecast period.

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): are likely to experience morning and afternoon showers over several between Wednesday and Saturday; and over few places on the other days.

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 categories</i>	
<i>Range</i>	<i>Category</i>
<5 mm	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	Below 33%

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