



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, NATURAL RESOURCES & REGIONAL DEVELOPMENT AUTHORITIES
KENYA METEOROLOGICAL DEPARTMENT

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

Telephone: 254 (0) 20 3867880-7, Fax: 254 (0) 20 3876955/3877373/3867888,
e-mail: director@meteo.qo.ke, info@meteo.qo.ke Website: <http://www.meteo.qo.ke>

**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID
11TH TO 17TH OCT, 2016**

Issue Date: 10/10/2016

Review of weather for the last seven-day period 3rd to 9th Oct 2016):

- Rainfall was reported over several parts of the country with highest amounts being within the rift valley and Highlands west of the rift valley
- Comparing this review period to the previous one, it is noted that there was a general decrease in rainfall amounts over most parts of the country
- Day-time (maximum) temperatures increased throughout the country except over Wajir, Mandera, Kericho and Nakuru which decreased slightly.
- Night-time (minimum) temperatures generally increased over most parts of the country however a few stations spread out within the country recorded decreases, these include but are not limited to Meru, Laikipia, Kangema, Malindi and Kericho.

Forecast for the next seven days (11th to 17th Oct, 2016):

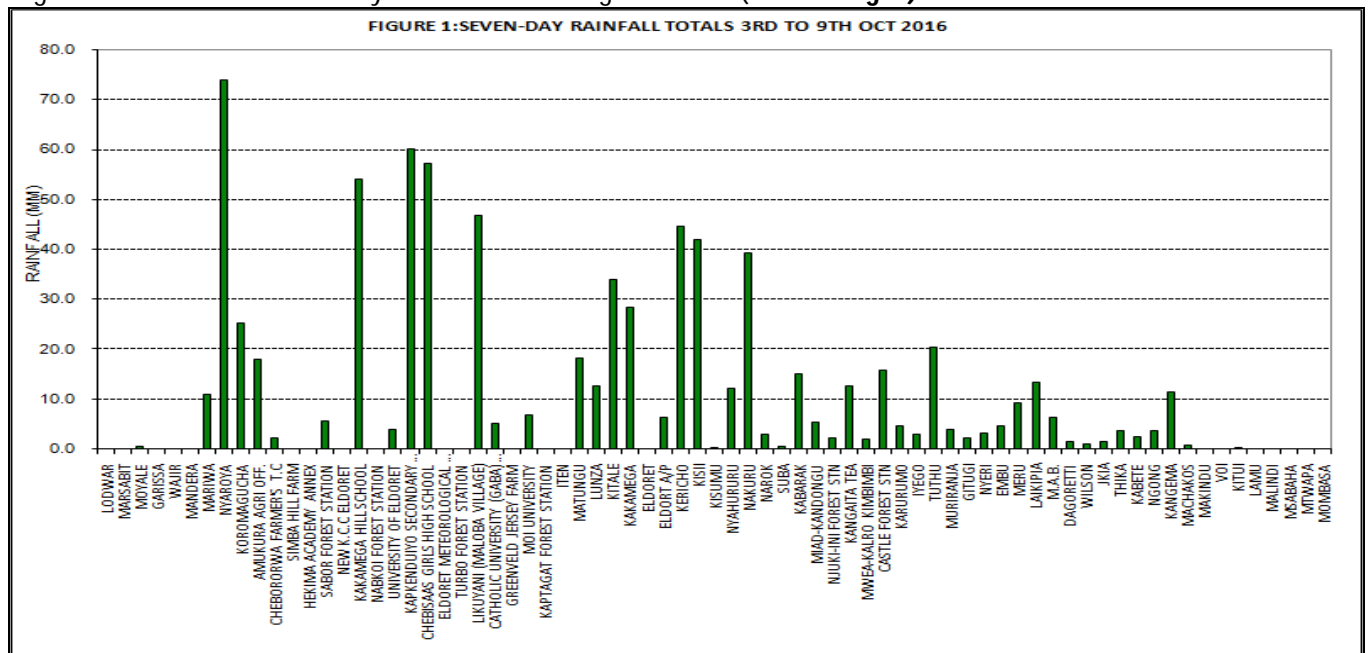
The forecast indicates that:

- Rainfall is expected over parts of Highlands west and east of the rift valley as well as the coastal regions and parts of Southeast lowlands.

1. Weather Review for the last seven days 3rd to 9th Oct, 2016

1.1 Rainfall Review

Rainfall was reported over several parts of the country with highest amounts being within the rift valley and Highlands west of the rift valley as shown in the figure below (refer to **Fig 1.**)



Comparing this review period to the previous one, it is noted that there was a general decrease in rainfall amounts over most parts of the country. **Figure 2** depicts the spatial distribution of the rainfall totals over the country during the seven-day review period. (3rd to 9th Oct, 2016). During this period, Nyaroya rainfall Station in Migori County recorded both the highest seven-day total of 74mm and the highest rainfall amount in 24 hours (35mm on 4th October).

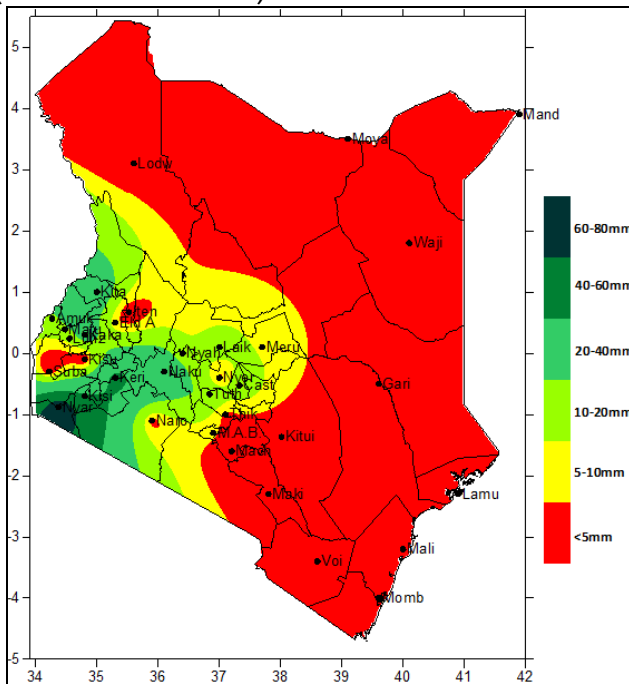


Fig 2: Spatial map of rainfall totals for 3rd to 9th Oct, 2016.

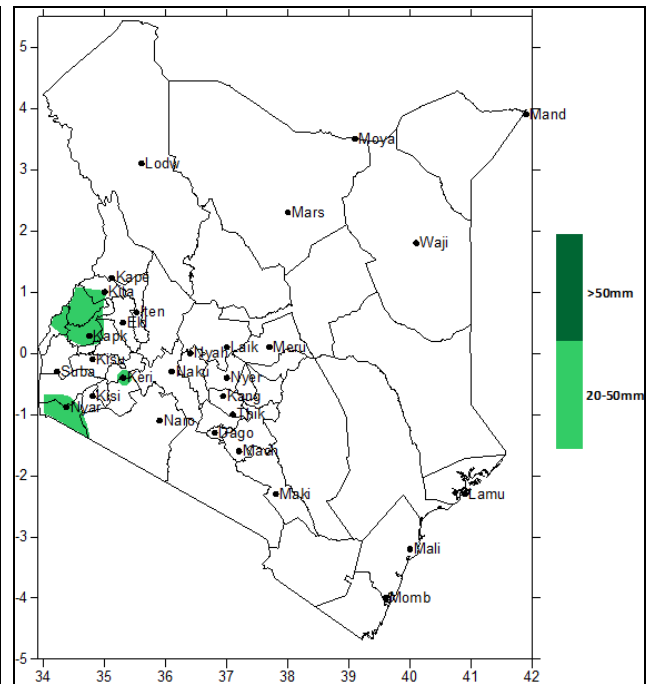


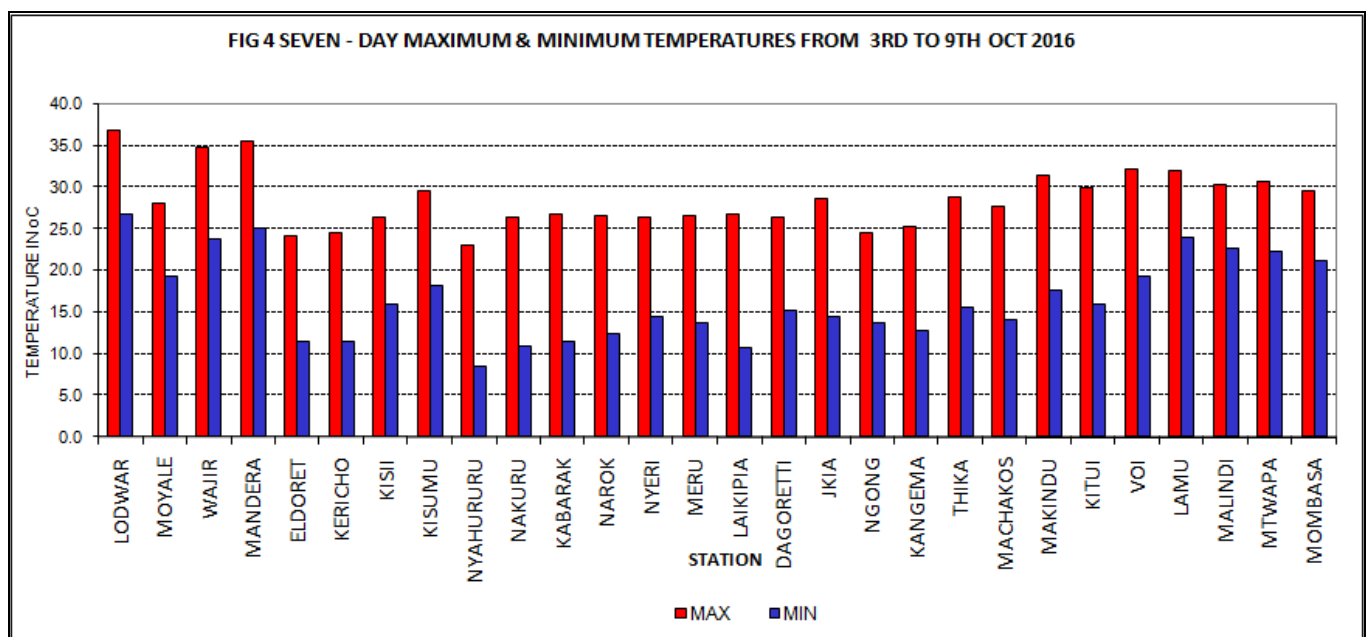
Fig 3: Spatial map of heavy rainfall and very heavy rainfall

1.2 Temperature

During the review period, day-time (maximum) temperatures increased throughout the country except over Wajir, Mandera, Kericho and Nakuru which decreased slightly.

Night-time (minimum) temperatures generally increased over most parts of the country however a few stations spread out within the country recorded decreases, these include but are not limited to Meru, Laikipia, Kangema, Malindi and Kericho.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 38.0°C on 8th October while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 7.3°C on 3rd October. The same stations recorded the highest seven-day average maximum temperature of 36.8°C and the lowest seven-day average minimum temperature of 8.4°C respectively. (See **Figure 4 below**)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 11TH TO 17TH OCT, 2016

The forecast indicates that:

- Rainfall is expected over parts of Highlands west and east of the rift valley as well as the coastal regions and parts of Southeast lowlands.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 11TH TO 17TH OCT, 2016

The Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley (counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Transzoia, Baringo, Uasingishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are expected to experience sunny intervals in the mornings. Afternoon showers and thunderstorms are expected over few throughout the forecast period;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals the entire day throughout the forecast period with the exception of Friday afternoon which is expected to experience showers and thunderstorms over few places;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to experience sunny intervals in the morning and afternoon showers over few places throughout the forecast period;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience sunny intervals the whole day throughout the forecast period;

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience sunny intervals the whole day for much of the forecast period. Thursday and Friday afternoons are however expected to have showers over few places;

The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to receive morning showers over few places and sunny intervals in the afternoon throughout the forecast period except Friday which will experience sunny intervals the whole day.

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

KEY OF SCIENTIFIC WORDS USED

Most Places: Between 66% and 100%

Several Places: Between 33% and 66%

Few Places: Between 0 and 33%

Rainfall categories

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

P. NYING'URO

FOR DIRECTOR OF METEOROLOGICAL SERVICES