



REPUBLIC OF KENYA

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

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 9TH
TO 15TH AUG, 2016**

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Review of weather for the last seven-day period 1st to 7th August 2016):

- Most parts of the country received rainfall during the review period.
- Parts of Western and Rift Valley, highlands recorded high rainfall totals.
- Compared to the previous seven-day period, there was a general increase over most areas and a decrease over fewer others.
- Day-time temperatures decreased throughout most parts of the country but increased over few areas mainly over the Coast, Meru and Moyale.
- Night-time temperatures increased over Highlands west and Rift valley and parts of the coast but decreased over Highlands East of the rift valley, Lodwar and Wajir.

Forecast for the next seven days (9th to 15th Aug, 2016):

The forecast indicates that:

- Areas within the Rift Valley, Western and parts of the Central Highlands and parts of the Coast are expected to receive rainfall throughout the forecast period;
- Temperatures are expected to be cool at the beginning of the forecast period and to warm towards the end.

1. Weather Review for the last seven days 1st to 7th August, 2016

1.1 Rainfall Review

Most parts of the country received rainfall during the review period as depicted in Fig 1. Parts of Western and Rift Valley, highlands recorded high rainfall totals. Compared to the previous seven-day period, there was a general increase over most areas and a decrease over fewer others.

FIGURE 1: SEVEN-DAY RAINFALL TOTALS 1ST TO 7TH AUGUST 2016

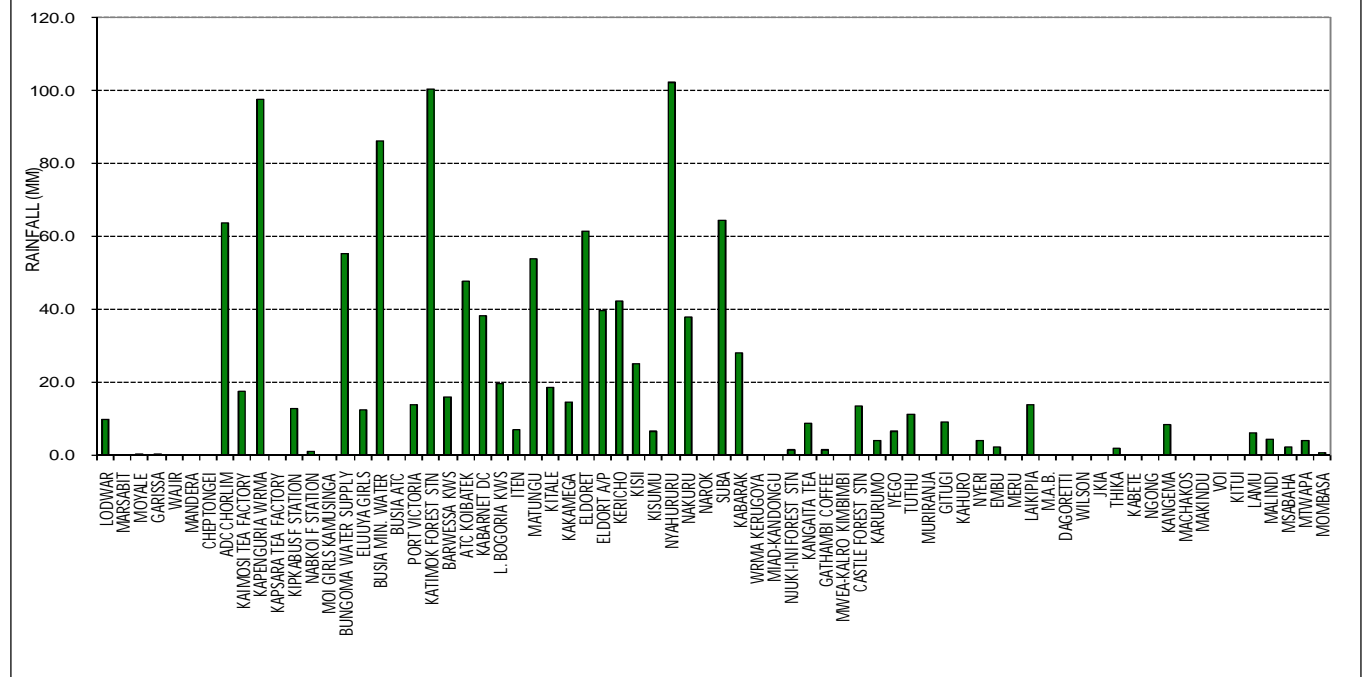


Figure 2 depicts the spatial distribution of the rainfall totals over the country during the seven-day review period (1st to 7th August, 2016). During this period, Nyahururu Meteorological Station in the Rift Valley recorded the highest seven-day total of 102.3mm. Suba rainfall station recorded the highest rainfall amount in 24hrs of 64.4mm on 5th.

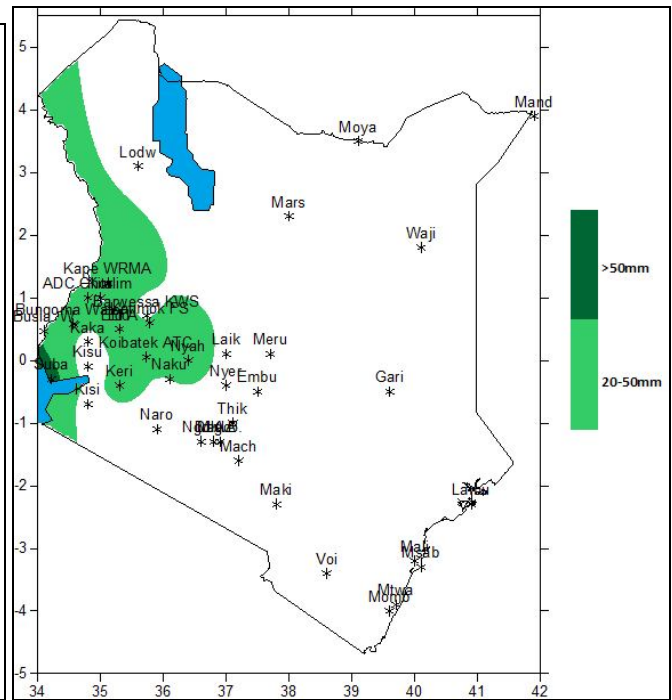
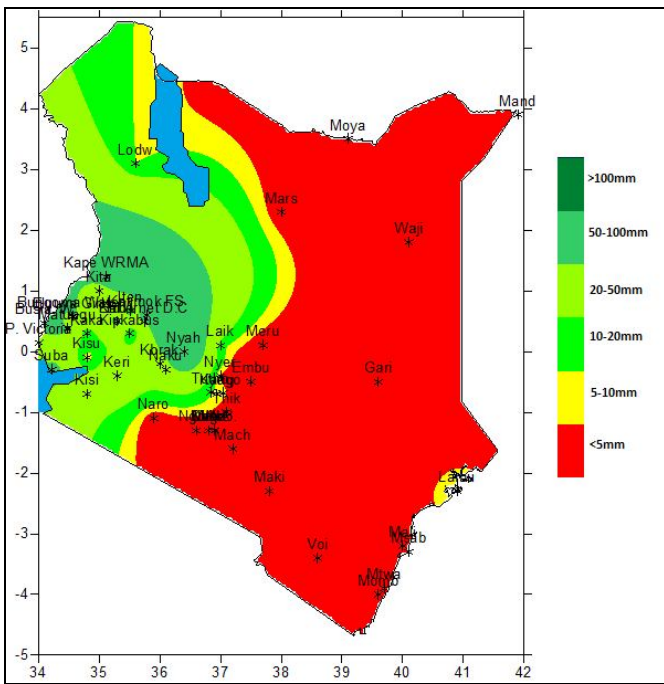


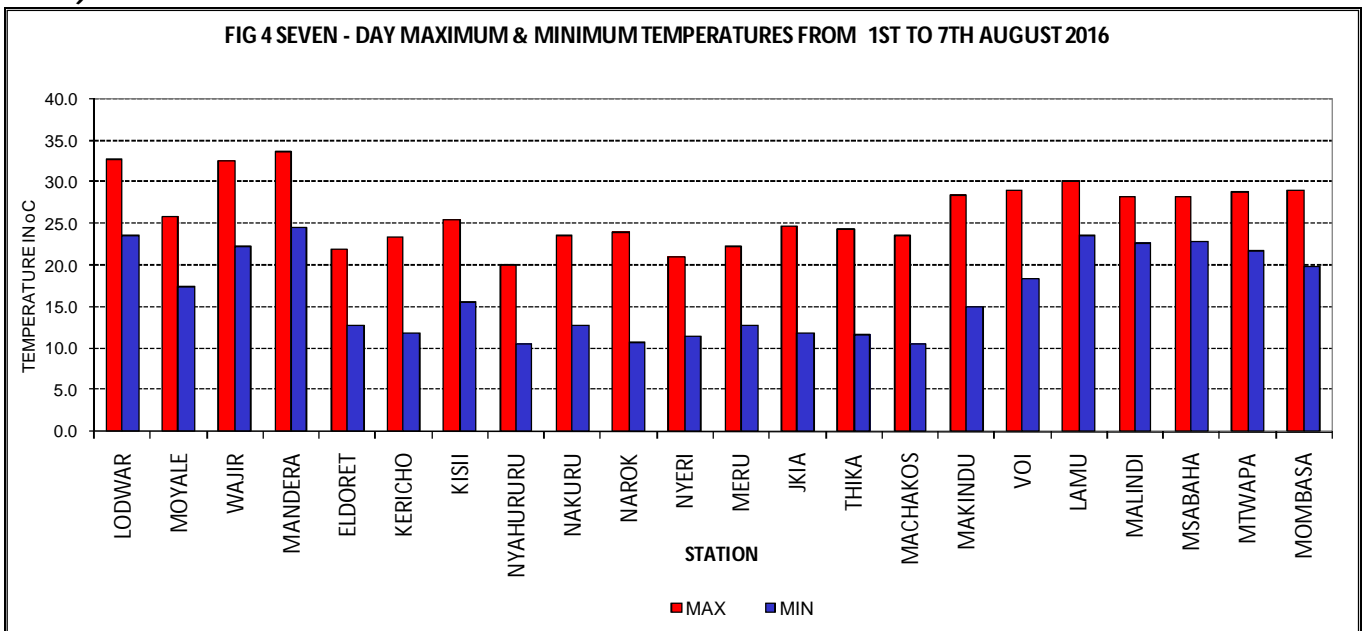
Fig 2: Spatial map of rainfall totals.

Fig 3: Spatial map of areas that received more than 20mm of rainfall within 24hours.

1.2 Temperature

During the review period, day-time (maximum) temperatures decreased throughout most parts of the country but increased over few areas mainly over the Coast, Meru and Moyale. Night-time (minimum) temperatures increased over Highlands west and Rift valley and parts of the coast but decreased over Highlands East of the Rift valley, Lodwar and Wajir.

Mandera Meteorological Station recorded the highest daily maximum temperature of 35.0°C on 2nd August while Nyahururu and Machakos Meteorological Stations recorded the lowest daily minimum temperature of 7.7°C on 2nd and 1st respectively. Mandera recorded the highest seven-day average maximum temperature of 33.7°C while Machakos recorded the lowest seven-day average minimum temperature of 10.4°C. (**See Figure 4 below**)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 9TH TO 15TH AUG, 2016

The forecast indicates that:

- Areas within the Rift Valley, Western and parts of the Central Highlands and parts of the Coast are expected to receive rainfall throughout the forecast period;
- Temperatures are expected to be cool at the beginning of the forecast period and to warm towards the end.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 9TH TO 15TH AUG, 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 rains in the morning from Tuesday to Thursday and sunny intervals the rest of the mornings. Afternoon showers and thunderstorms over few places are expected throughout the forecast period;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience rains in the morning over few places and showers and thunderstorms in the afternoon over few places on Tuesday and Wednesday, Thursday to Monday are expected to experience sunny intervals the whole day;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to be cool and cloudy during the mornings from Tuesday to Thursday then Friday to Monday are expected to experience sunny intervals. Afternoon showers over few high ground areas are expected 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. Tuesday morning however is expected to experience rains over few places;

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience sunny intervals the entire day for much of the forecast period. Counties bordering Nairobi and Central are expected to experience cool cloudy mornings between Tuesday and Thursday;

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

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

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FOR DIRECTOR OF METEOROLOGICAL SERVICES