



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
 16TH TO 22ND AUG, 2016**

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Review of weather for the last seven-day period 8th to 14th 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 decrease over most areas and an increase over fewer others
- Day-time temperatures decreased throughout most parts of the country but increased in Lodwar, Wajir and Mandera.
- Night-time temperatures increased over Highlands west and Rift valley and parts of the coast but decreased over parts of Highlands West of the Rift valley

Forecast for the next seven days (16th to 22nd Aug, 2016):

The forecast indicates that:

- Areas within the Rift Valley, Western, North West and parts of the Central Highlands and parts of the Coast are expected to receive rainfall during the forecast period;
- Temperatures are expected to progressively warm during the forecast period.

1. Weather Review for the last seven days 8th to 14th 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 recorded high rainfall totals. Compared to the previous seven-day period, there was a general decrease over most areas and an increase over fewer others.

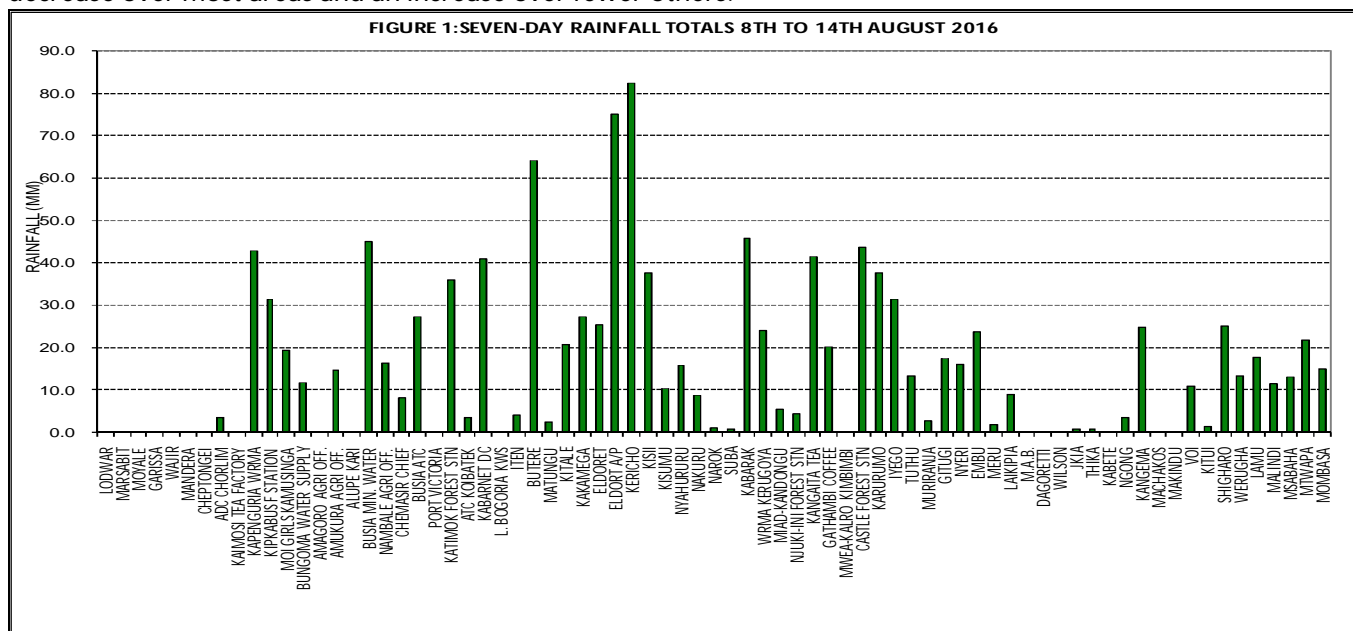


Figure 2 depicts the spatial distribution of the rainfall totals over the country during the seven-day review period (8th to 14th August, 2016). During this period, Kericho Meteorological Station in the Rift Valley recorded

the highest seven-day total of 82.4mm. Eldoret airport station recorded the highest rainfall amount in 24hrs of 43.7mm on 11th.

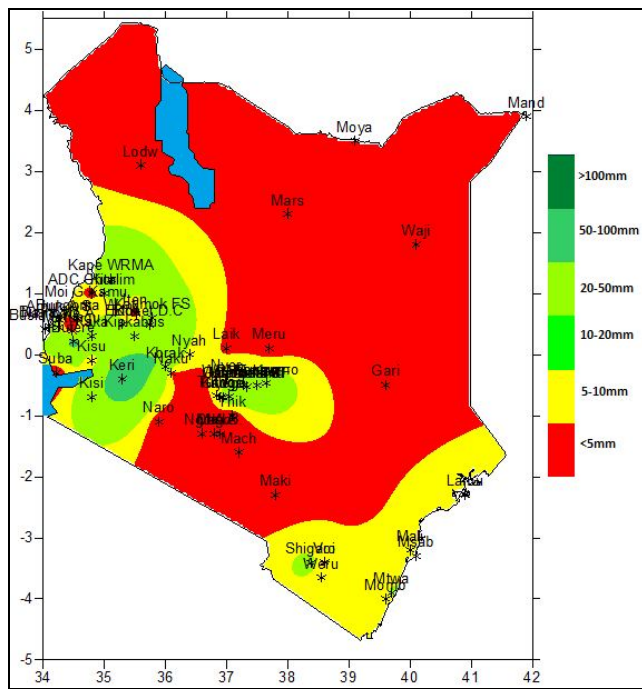


Fig 2: Spatial map of rainfall totals.

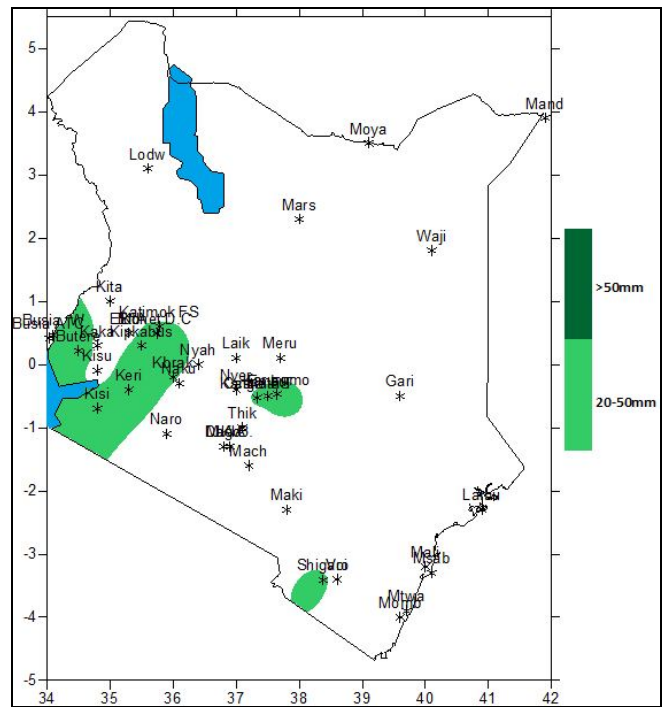
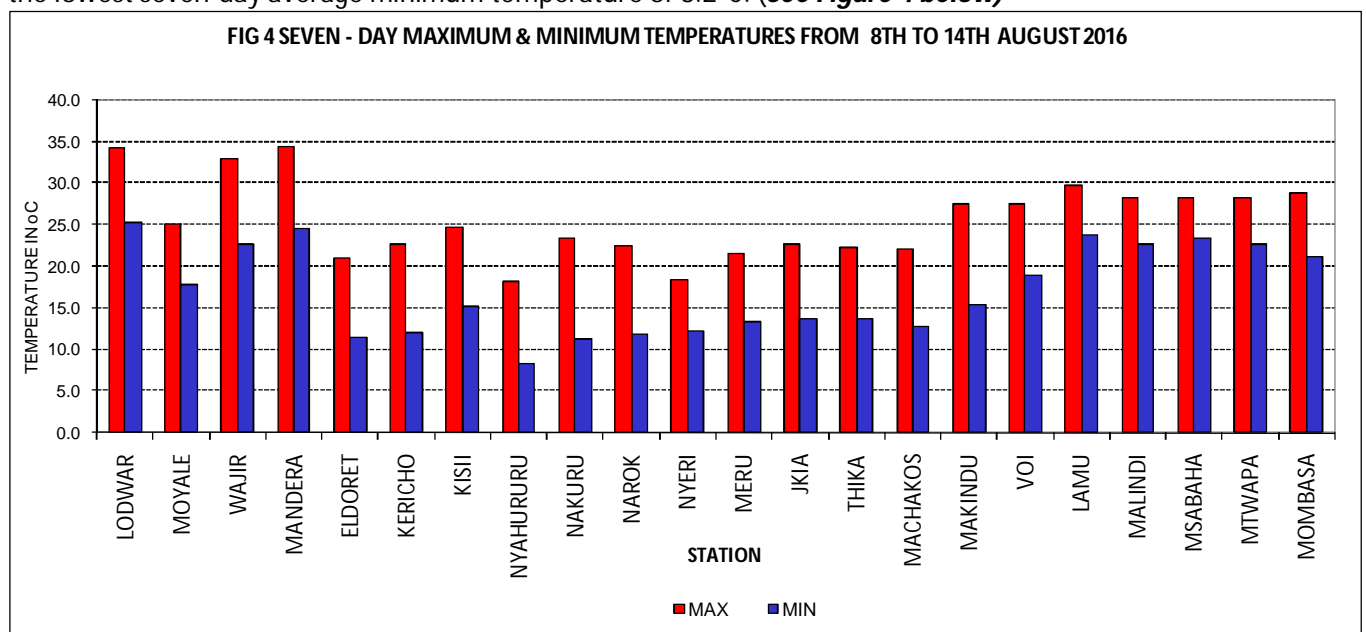


Fig 3: Spatial map of areas that received more than 20mm of rainfall within 24hours.

1.2 Temperature

During the review period, day-time (maximum) temperatures decreased throughout most parts of the country but increased in Lodwar, Wajir and Mandera. Night-time (minimum) temperatures increased over Highlands west and Rift valley and parts of the coast but decreased over parts of Highlands West of the Rift valley.

Mandera Meteorological Station recorded the highest daily maximum temperature of 36.0°C on 13th August while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.3°C on 14th. Mandera recorded the highest seven-day average maximum temperature of 34.5°C while Nyahururu recorded the lowest seven-day average minimum temperature of 8.2°C. (See Figure 4 below)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 16TH TO 22ND AUG, 2016

The forecast indicates that:

- Areas within the Rift Valley, Western, North West and parts of the Central Highlands and parts of the Coast are expected to receive rainfall during the forecast period;
- Temperatures are expected to progressively warm during the forecast period.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 16TH TO 22ND 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 between Saturday to Monday and sunny intervals on the remaining 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 sunny intervals the whole day on Tuesday and Wednesday. From Thursday to Monday sunny intervals are expected in the morning and shower and thunderstorms in the afternoon over few places;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to be cloudy during the mornings throughout the forecast period. Afternoon showers over few places are expected on Tuesday then Friday to the end of the forecast period;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience sunny intervals the whole day for much of the forecast period. Wednesday morning however is expected to experience morning rains over few places;

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience sunny intervals the entire day throughout the forecast period. Taveta County however is likely to experience morning rains over few places during the forecast period;

The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to experience morning showers over several places on Tuesday reducing to a few places thereafter. Afternoons are expected to experience sunny intervals throughout except Tuesday and Wednesday which will have showers over few places.

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