



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
 27TH SEPT TO 3RD OCT, 2016**

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Review of weather for the last seven-day period 19th to 25th Sept 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 increase in rainfall amounts over most parts of highlands west of the rift valley and decreases in fewer parts
- Day-time temperatures decreased over much of the country with the exception of Kericho, Nakuru and parts of the Coast.
- Night-time temperatures increased over most parts of the country but decreased over few stations in the Coast and North West

Forecast for the next seven days (27th Sept to 3rd Oct, 2016):

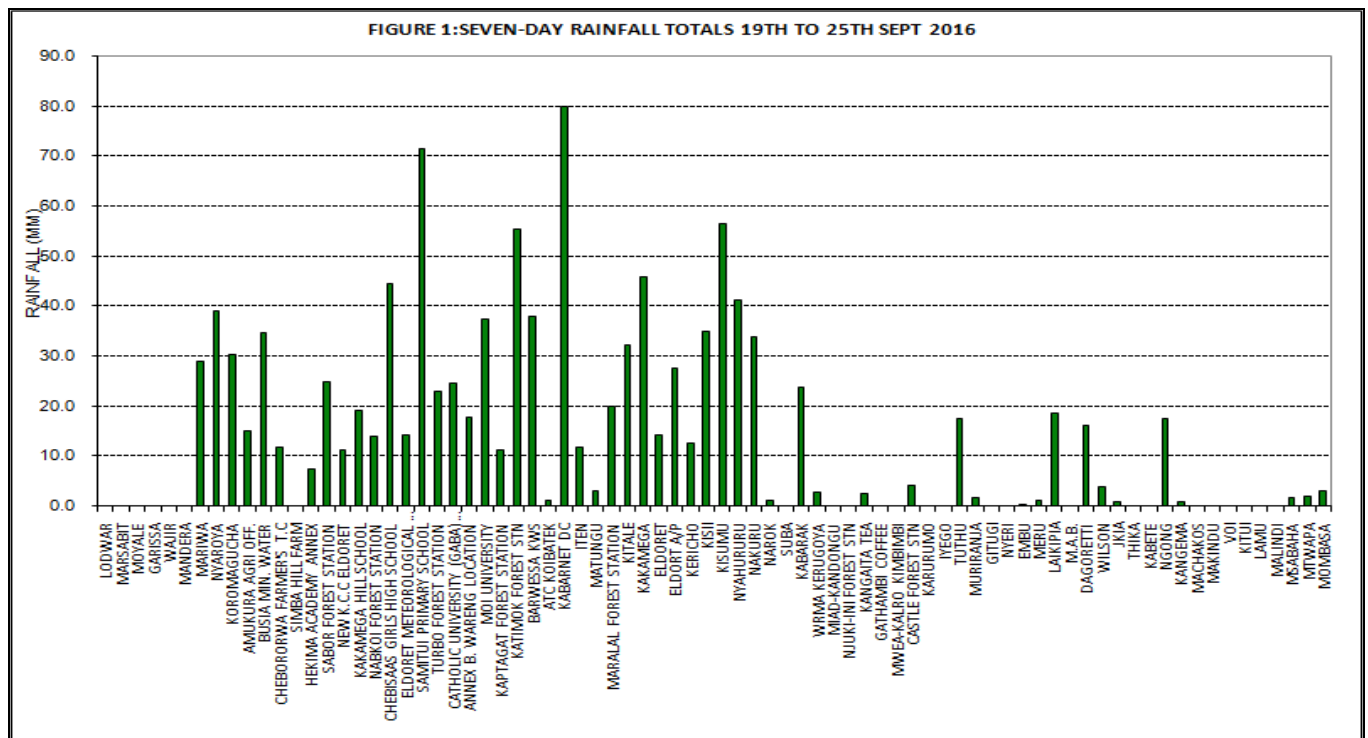
The forecast indicates that:

- The rains are expected to continue over parts of North west, Western, Nyanza and the Rift Valley and parts of Highlands east of the rift valley;

1. Weather Review for the last seven days 19th to 25th Sept, 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 (refer to **Fig 1.**)



Comparing this review period to the previous one, it is noted that there was a general increase in rainfall amounts over most parts of highlands west of the rift valley and decreases in fewer parts.

Figure 2 depicts the spatial distribution of the rainfall totals over the country during the seven-day review period. (19th to 25th Sept, 2016). During this period, Kabarnet DC Rainfall Station recorded the highest seven-day total of 80.0mm. Kisumu Meteorological station recorded the highest rainfall amount in 24 hours (45.4mm on 21st September).

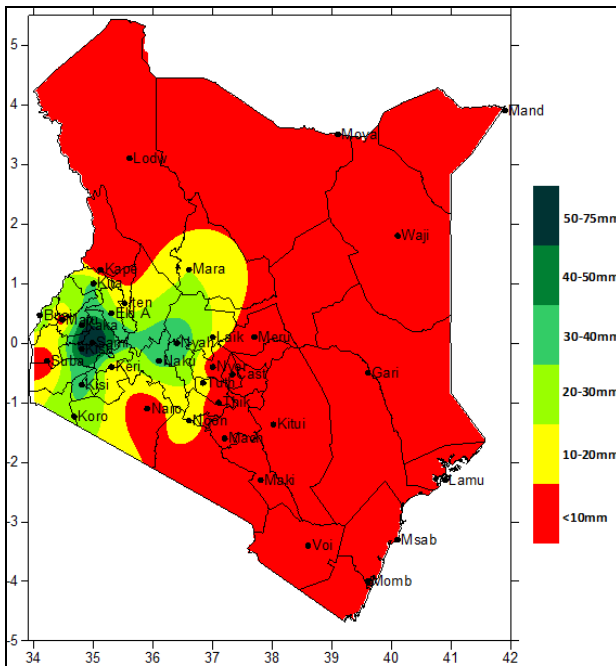


Fig 2: Spatial map of rainfall totals for 19th to 25th Sept, 2016.

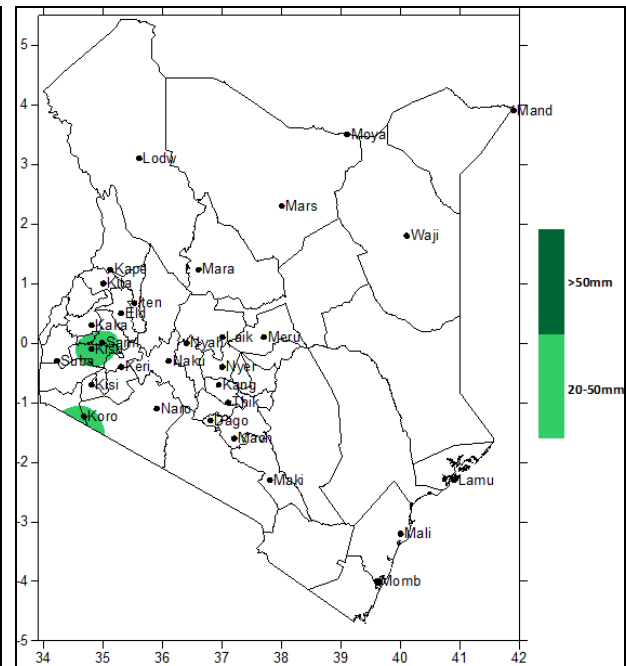
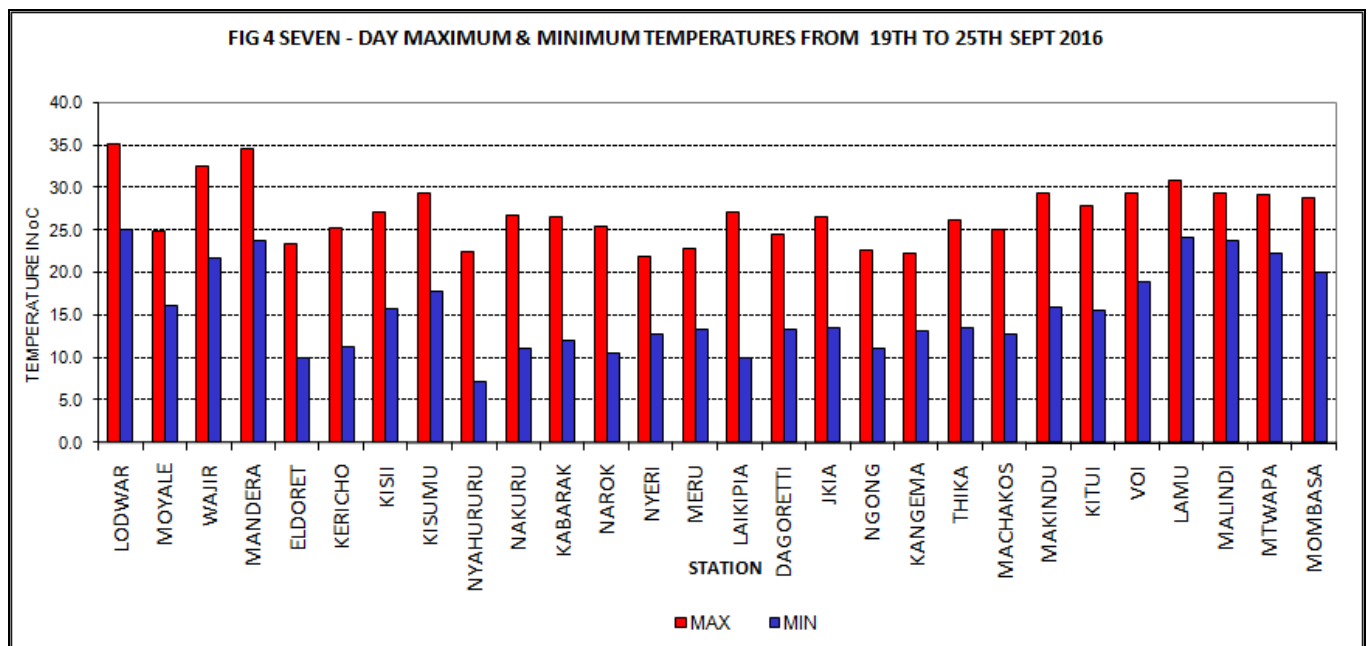


Fig 3: Spatial map of heavy rainfall and very heavy rainfall for 19th to 25th Sept, 2016.

1.2 Temperature

During the review period, day-time (maximum) temperatures decreased over much of the country with the exception of Kericho, Nakuru and parts of the Coast. Night-time (minimum) temperatures increased over most parts of the country but decreased over few stations in the Coast and North West.

Mandera Meteorological Station recorded the highest daily maximum temperature of 36.6°C on 25th September while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.1°C on 23rd September. Lodwar recorded the highest seven-day average maximum temperature of 35.1°C while Nyahururu recorded the lowest seven-day average minimum temperature of 7.1°C. (See **Figure 4** below)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 27TH SEPT TO 3RD OCT, 2016

The forecast indicates that:

- The rains are expected to continue over parts of North west, Western, Nyanza and the Rift Valley and parts of Highlands east of the rift valley;

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 27TH SEPT TO 3RD 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, Transnzoia, 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 several places throughout the forecast period;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals in the morning throughout the forecast period. Afternoon showers and thunderstorms over few places are likely to occur throughout the forecast period;

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. However morning rains are likely on the first day;

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

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience sunny intervals the whole day for the entire forecast period;

The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to receive light morning showers over few places 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