



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 20TH TO 26TH SEPT, 2016

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Review of weather for the last seven-day period 12th to 18th Sept 2016):

- Rainfall was mainly confined to Western, Nyanza and the Rift Valley while the rest of the country remained generally dry;
- Comparing this review period to the previous one, it is noted that there was a general increase in rainfall amounts over the western half of the country while the remaining areas recorded a decrease;
- Day-time temperatures increased over much of the country with the exception of Wajir and parts of Western and the Coast;
- Night-time temperatures increased over Western and generally decreased over the rest of the country.

Forecast for the next seven days (20th to 26th Sept, 2016):

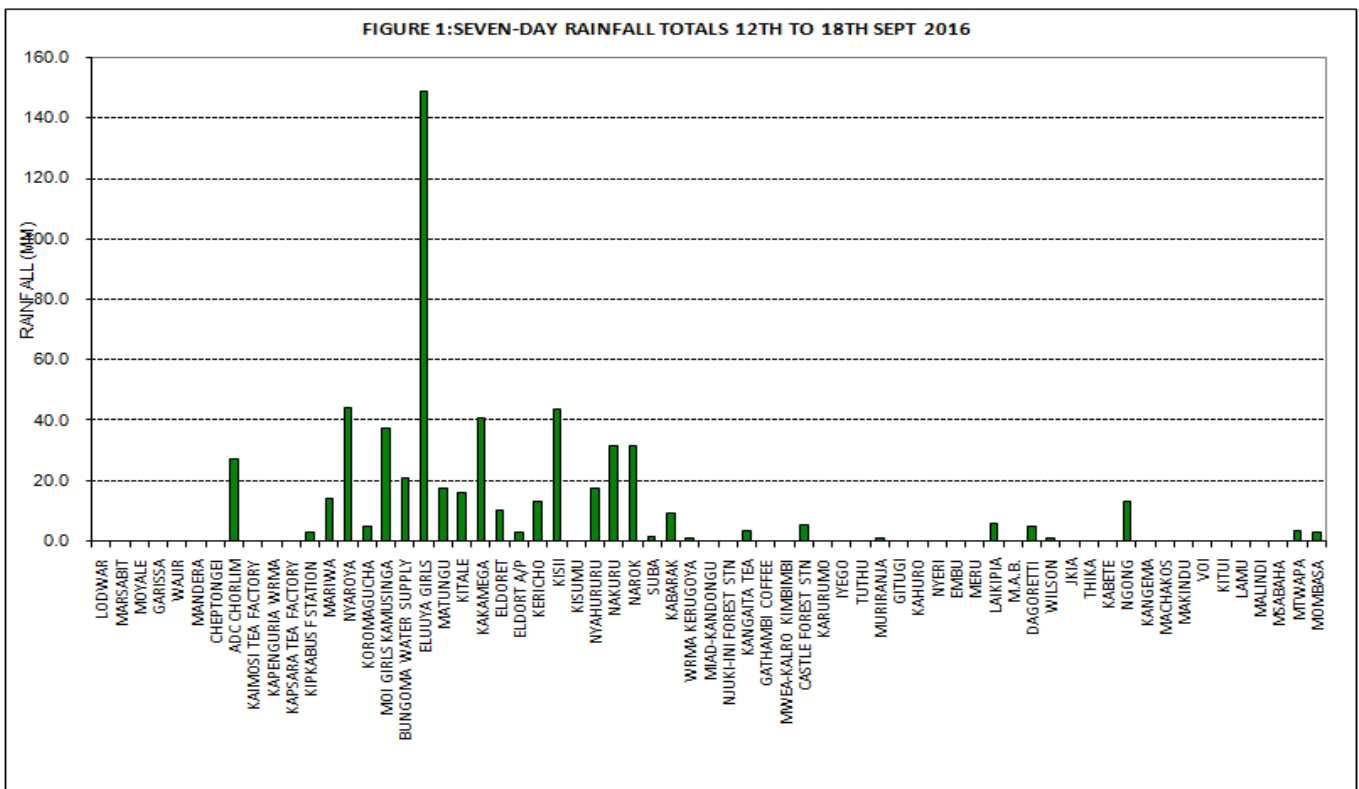
The forecast indicates that:

- The rains are expected to continue over parts of Western, Nyanza and the Rift Valley;
- Towards the end of the forecast period rainfall amounts and intensities are likely to increase over the said areas and this effect may spill over to Central and parts of the Northwest.

1. Weather Review for the last seven days 12th to 18th Sept, 2016

1.1 Rainfall Review

Rainfall was mainly confined to Western, Nyanza and the Rift Valley while the rest of the country remained generally dry (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 the western half of the country while the remaining areas recorded a decrease.

Figure 2 depicts the spatial distribution of the rainfall totals over the country during the seven-day review period. (12th to 18th Sept, 2016). During this period, Eluuya Girls Rainfall Station in Bungoma County recorded the highest seven-day total of 148.9mm. It also recorded the highest rainfall amount in 24 hours (38.4mm on 16th September).

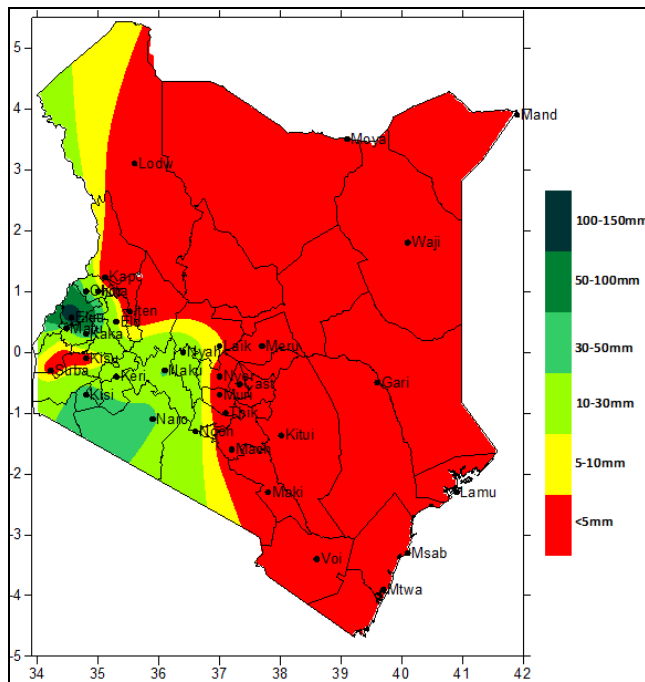


Fig 2: Spatial map of rainfall totals for 12th to 18th Sept, 2016.

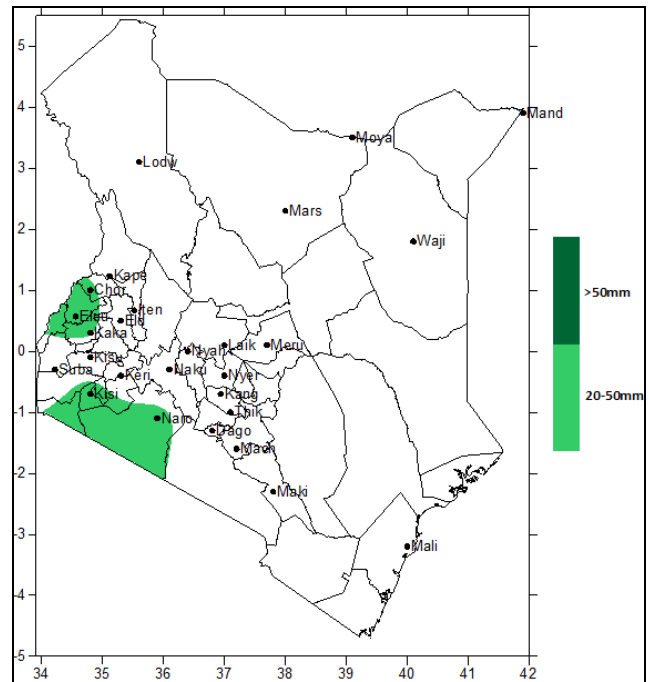
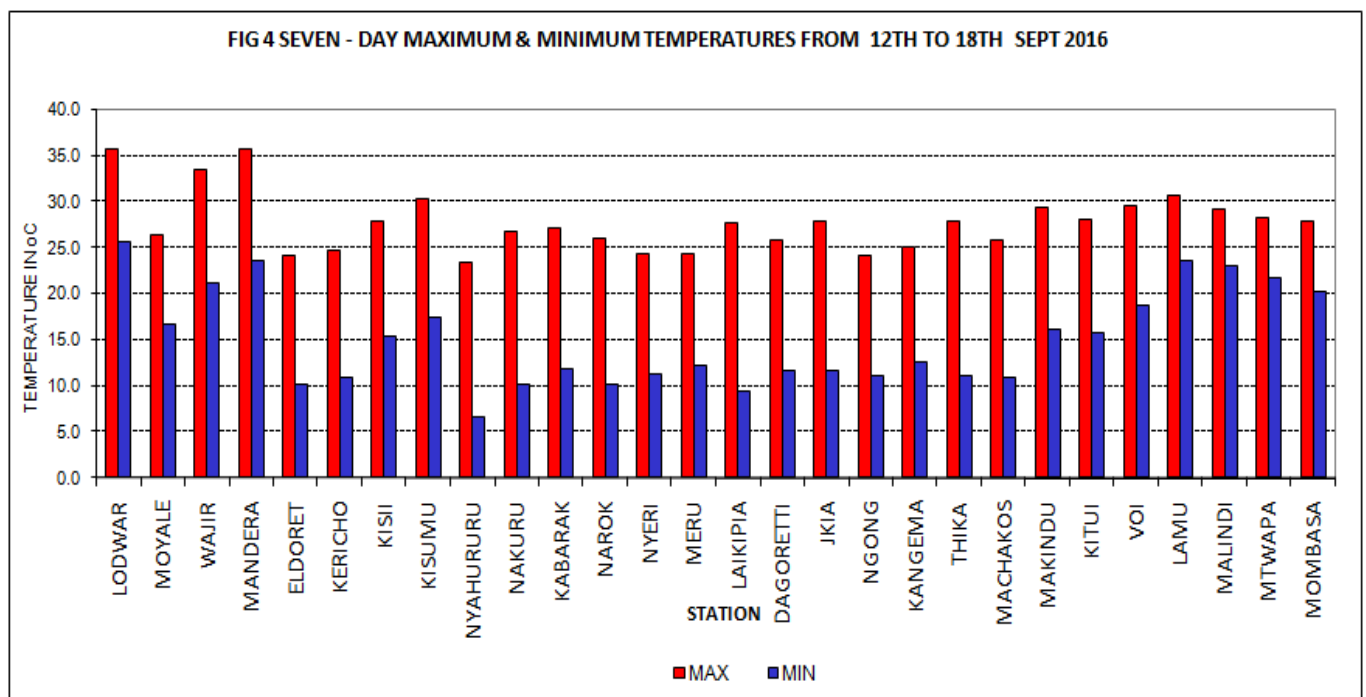


Fig 3: Spatial map of heavy rainfall and very heavy rainfall for 12th to 18th Sept, 2016.

1.2 Temperature

During the review period, day-time (maximum) temperatures increased over much of the country with the exception of Wajir and parts of Western and the Coast. Night-time (minimum) temperatures increased over Western and generally decreased over the rest of the country.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 36.7°C on 16th September while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 4.6°C on 13th September. Lodwar and Mandera recorded the highest seven-day average maximum temperature of 35.6⁰ C while Nyahururu recorded the lowest seven-day average minimum temperature of 6.5°C. (See **Figure 4** below)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 20TH TO 26TH SEPTEMBER, 2016

The forecast indicates that:

- The rains are expected to continue over parts of Western, Nyanza and the Rift Valley;
- Towards the end of the forecast period rainfall amounts and intensities are likely to increase over the said areas and this effect may spill over to Central and parts of the Northwest.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 20TH TO 26TH SEPTEMBER, 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 places at the beginning of the forecast period improving to several places towards the end;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals the whole day at the beginning of the forecast period. Afternoon showers and thunderstorms over few places are likely to occur on the last few days;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to experience sunny intervals the entire day at the beginning of the forecast period. Light morning rains and afternoon showers are likely to occur over few places towards 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 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

J. GACHERU

FOR DIRECTOR OF METEOROLOGICAL SERVICES