



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
19TH TO 25TH APRIL, 2016**

Issue Date: 18/04/2016

Review of weather for the last seven-day period 11th to 17th April, 2016):

- Rainfall continued to be received in most parts of the country;
- Compared to the previous seven-day period, there was a marked improvement in rainfall amounts and intensities over parts of Western, Central, Southeast and the Coast. However, Nairobi and parts of the Rift Valley recorded rainfall reduction;
- Day-time temperatures increased over parts of Southeastern, Central and Nairobi and decreased over the Northeast and the Coast;
- Night-time temperatures increased over parts of Central, Western and the Northwest and decreased over parts of the Northeast and the Coast.

Forecast for the next seven days (19th to 25th April, 2016):

The forecast indicates that:

- The effect of Tropical Cyclone Fantala is expected to diminish within the first half of the forecast period;
- The eastern sector of the country is expected to experience reduced rainfall amounts and intensities.

1. Weather Review for the last seven days 11th to 17th April, 2016

1.1 Rainfall Review

Rainfall continued to be received in most parts of the country (See Fig 1). Compared to the previous seven-day period, there was a marked improvement in rainfall amounts and intensities over parts of Western, Central, Southeast and the Coast. However, Nairobi and parts of the Rift Valley recorded rainfall reductions.

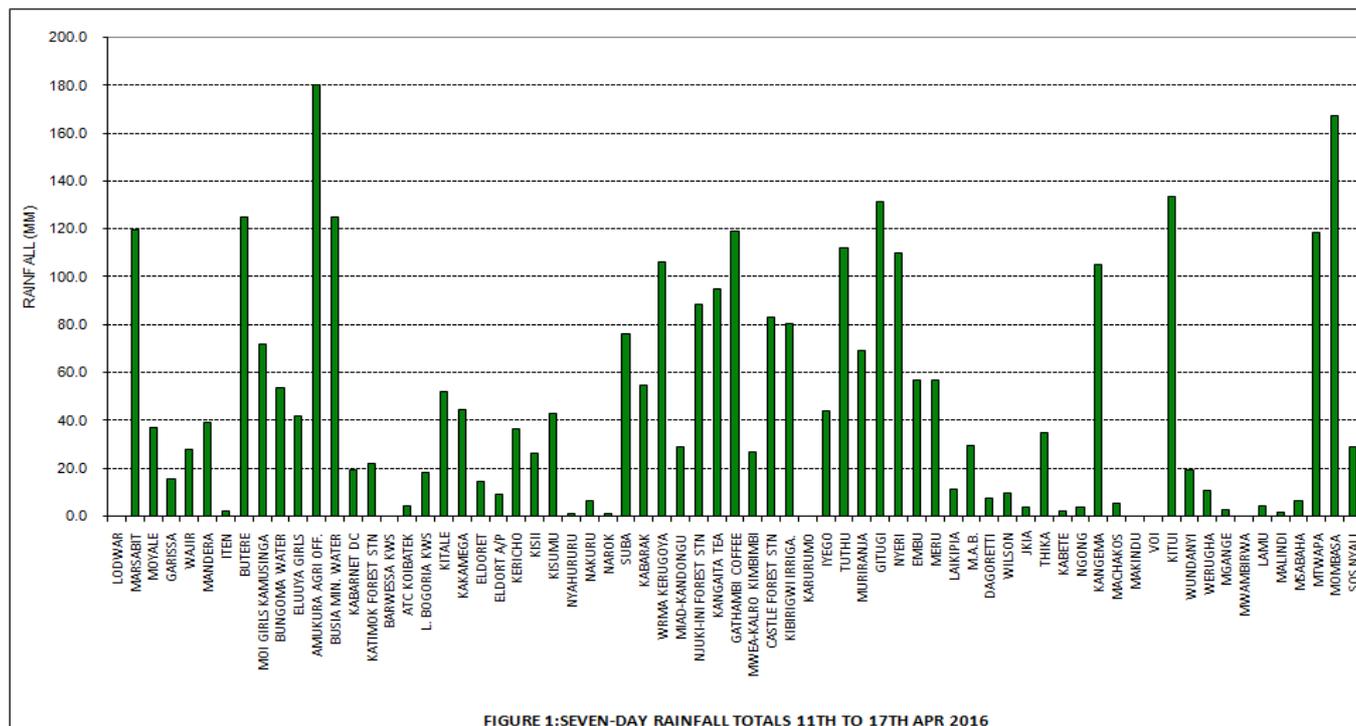


FIGURE 1:SEVEN-DAY RAINFALL TOTALS 11TH TO 17TH APR 2016

Figure 2 depicts the spatial distribution of the rainfall totals for the seven-day review period (11th to 17th April, 2016) over the country. During the review period Amukura Rainfall Station, in Busia County recorded the highest seven day total of 180.0mm. On the other hand, Kitui Agricultural Station received the highest amount of rainfall in 24 hours (130.1mm on 16th April, 2016). **Figure 3** depicts areas that received heavy rainfall (>20mm/24hrs) during the review period.

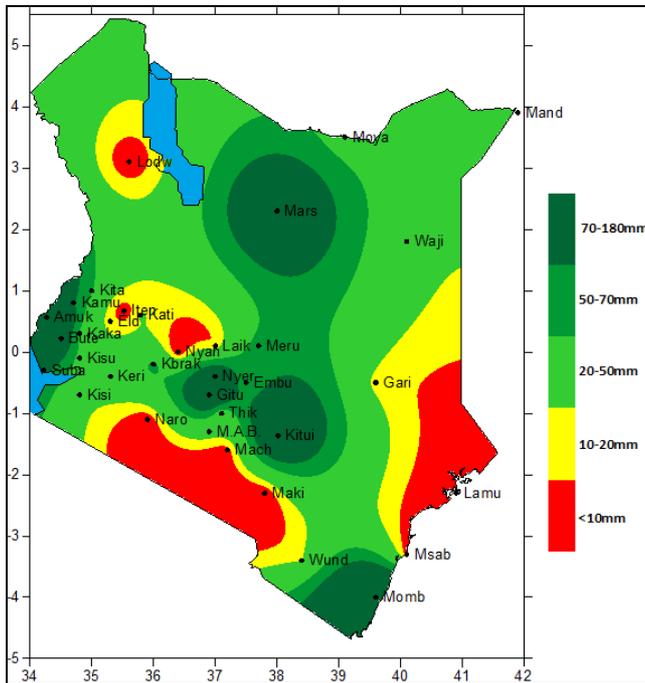


Fig 2: Spatial map of rainfall totals for 11th to 17th April, 2016.

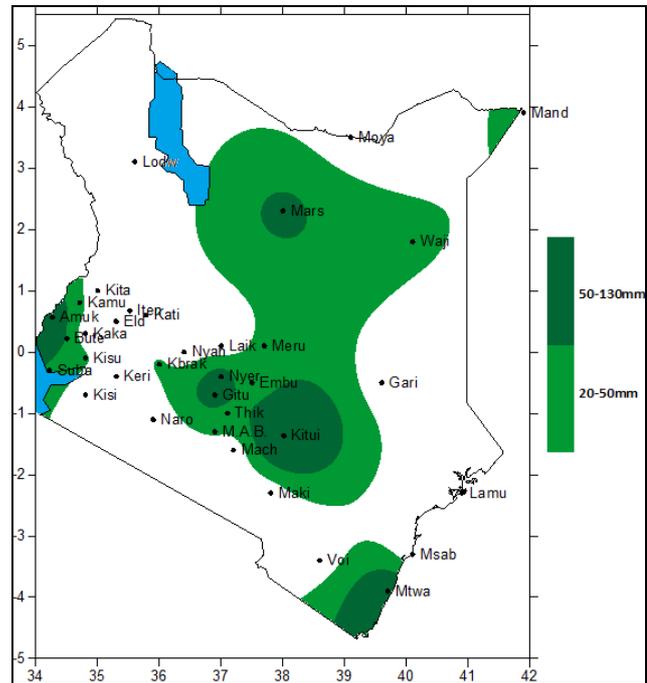


Fig 3: Spatial map of heavy rainfall and very heavy rainfall for 11th to 17th April, 2016.

1.2 Temperature

During the review period, day-time (maximum) temperatures increased over parts of Southeastern, Central and Nairobi and decreased over the Northeast and the Coast. Night-time (minimum) temperatures increased over parts of Central, Western and the Northwest and decreased over parts of the Northeast and the Coast.

Mandera Meteorological Station recorded the highest daily maximum temperature of 39.0°C on 15th April, 2016 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 7.5°C 13th April, 2016. Lodwar Meteorological Station recorded the highest seven-day average maximum temperature of 37.7°C and Nyahururu Meteorological Station the lowest seven-day average minimum temperature of 8.9°C respectively. (See Figure 4 below)

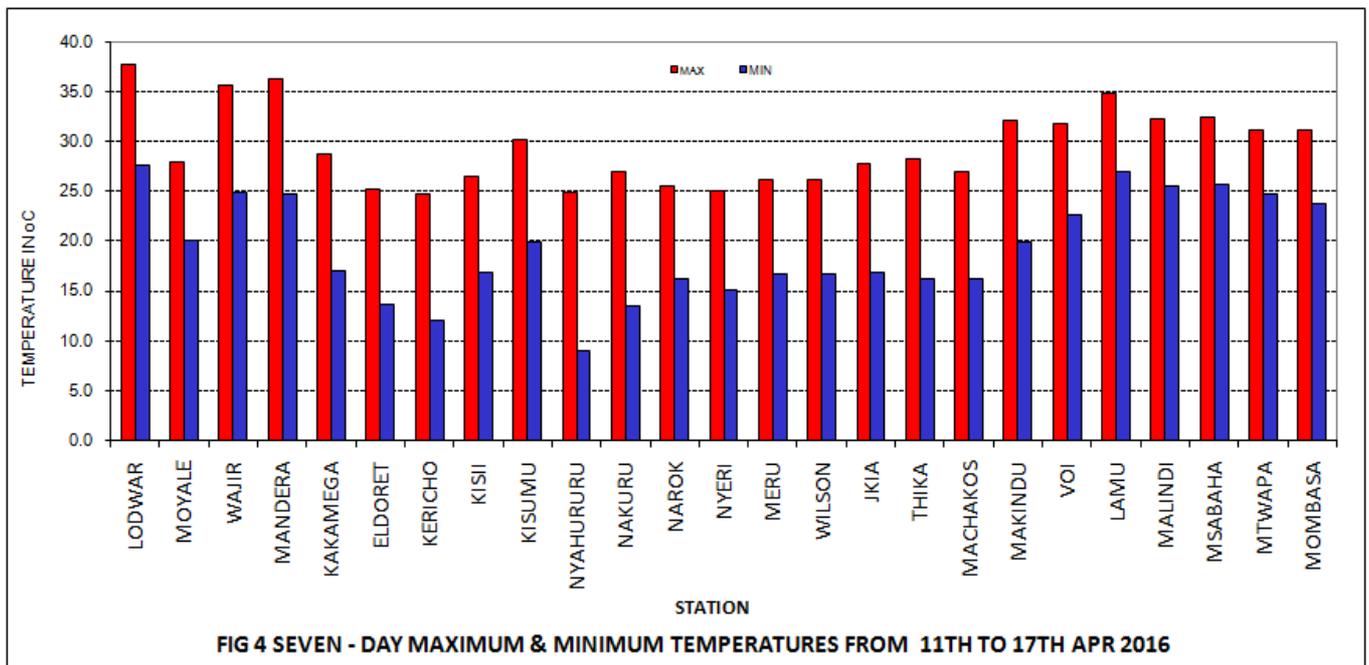


FIG 4 SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 11TH TO 17TH APR 2016

2. FORECAST FOR THE NEXT SEVEN DAYS FROM 19TH TO 25TH APRIL, 2016

The forecast indicates that:

- The effect of Tropical Cyclone Fantala is expected to diminish within the first half of the forecast period;
- The eastern sector of the country is expected to experience reduced rainfall amounts and intensities.

EXPECTED IMPACTS

- There is a risk of flooding over low-lying areas and those with poor drainage.
- Land-slides are likely on steep slopes.
- Roads are likely to be slippery thus motorists need to exercise caution.
- There is a risk of lightning strikes especially in the Western parts of the country.

3. DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 19TH TO 25TH APRIL, 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 mainly sunny intervals in the morning with occasional rains over few places throughout the forecast period. Afternoon/night showers and thunderstorms may occur over several places during the first half of the forecast period reducing to few places thereafter;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals in the morning followed by afternoon/night showers and thunderstorms over few places during the beginning of the forecast period. The remaining days may experience mainly sunny intervals the entire day;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to experience cloudy mornings with occasional rains over few places and afternoon/night showers over few places for the entire forecast period;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience morning rains over few places and sunny intervals in the afternoon for much of the forecast period;

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience cloudy mornings giving way to sunny intervals and occasional afternoon/night showers over few places throughout the forecast period;

The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to experience occasional 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