



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
 29TH MAR TO 4TH APR, 2016**

Issue Date: 28/03/2016

Review of weather for the last seven-day period 21st to 27th March, 2016):

- Rainfall was reported over few parts of the country mainly in the western counties.
- Compared to the previous seven-day period, there were increases in more stations than decreases.
- Day-time (maximum) temperatures decreased over most parts of the country except over parts of north east, northwest, Mombasa and the rift valley.
- Night-time (minimum) temperatures generally increased over most parts while far fewer areas recorded decreases. These areas include the coastal areas, parts of southeast and Kisii.

Forecast for the next seven days (29th March to 4th April, 2016):
The forecast indicates that:

- Dry and sunny weather expected over most parts of the country at the beginning of the forecast weather.
- Friday marks the start of rainfall over most parts of the country as the season sets in.
- As the rains set in the high temperatures observed are expected to cool down.

1. Weather Review for the last seven days 21st to 27th March, 2016

1.1 Rainfall Review

Rainfall was reported over few parts of the country mainly in the western counties. (See Fig 1) Compared to the previous seven-day period, there were increases in more stations than decreases

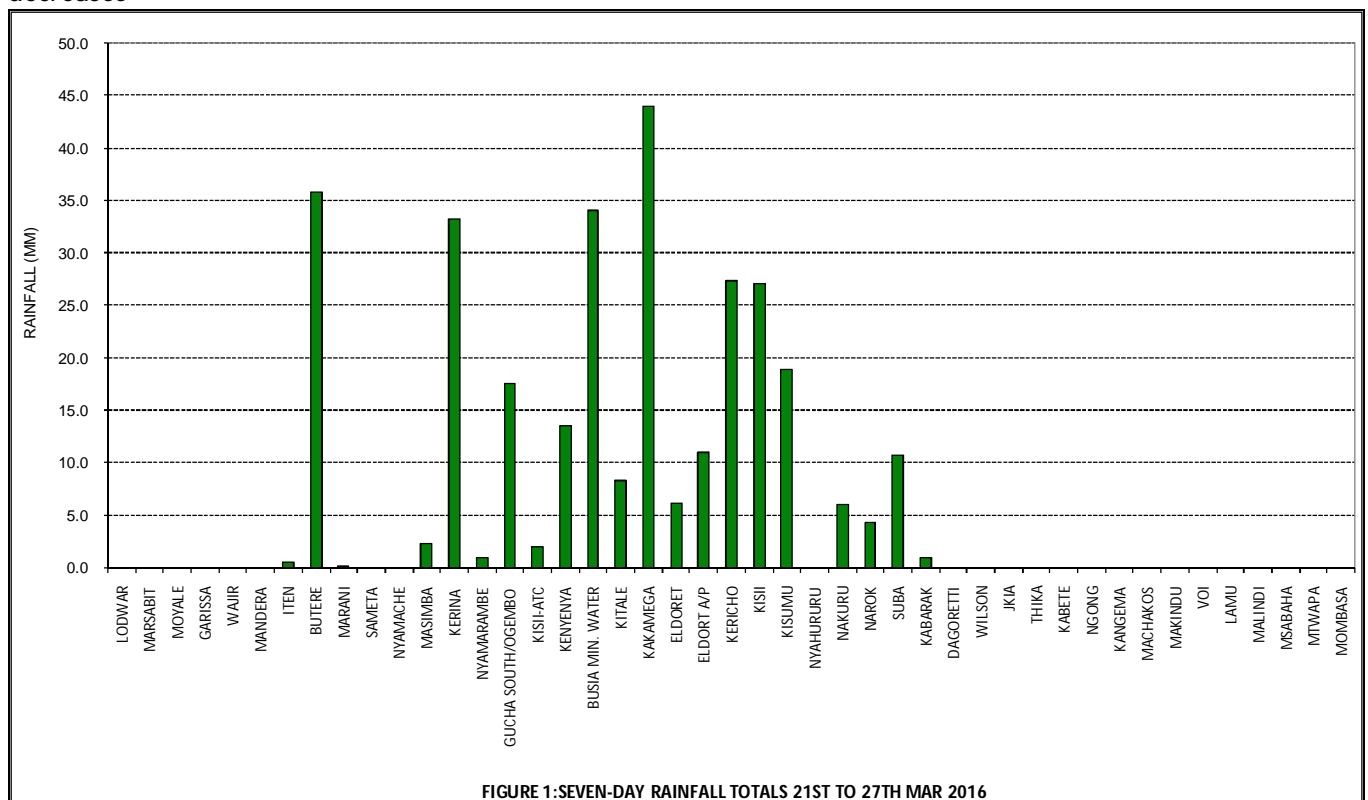


FIGURE 1:SEVEN-DAY RAINFALL TOTALS 21ST TO 27TH MAR 2016

Figure 2 depicts the spatial distribution of the rainfall totals for the seven-day review period (21st to 27th March, 2016) over the country. During the review period Kakamega Meteorological Station recorded the highest seven day total of 44.0mm. **Figure 3** depicts areas that received heavy rainfall (>20mm/24hrs) during the review period.

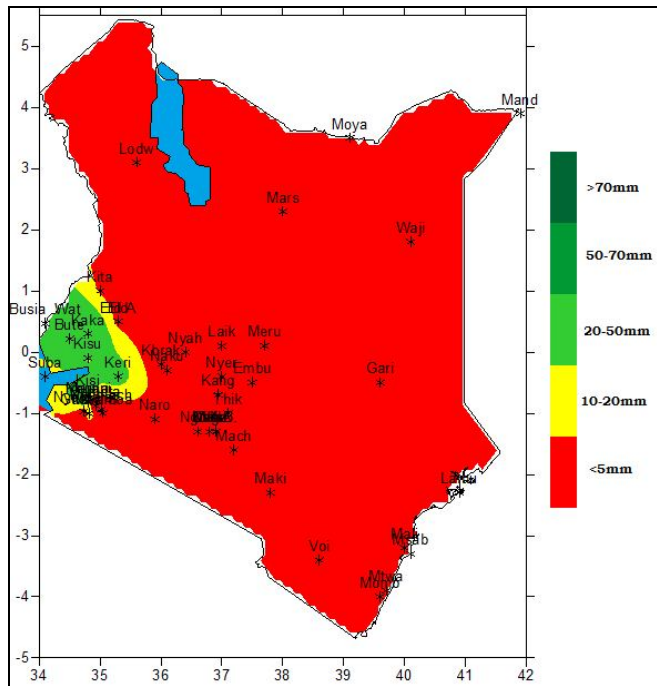


Fig 2: Spatial map of rainfall totals for 21st to 27th March, 2016.

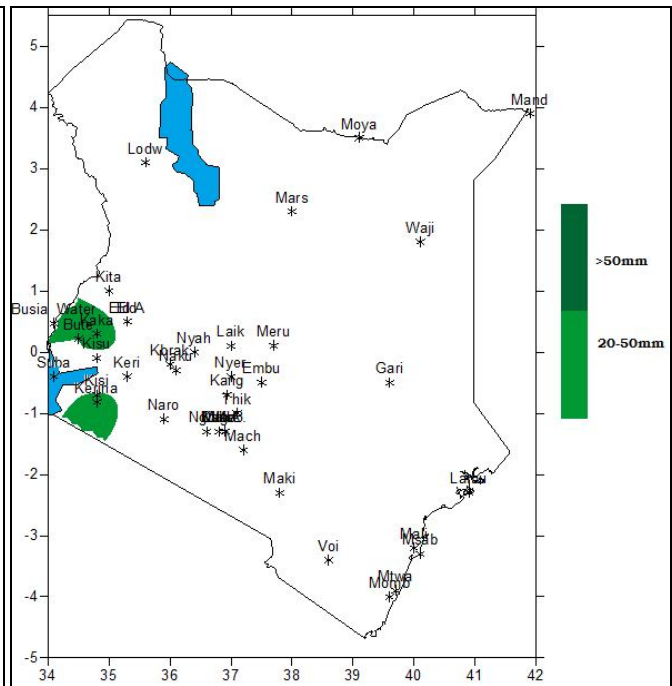


Fig 3: Spatial map of heavy rainfall for 21st to 27th March, 2016.

1.2 Temperature

During the review period, day-time (maximum) temperatures decreased over most parts of the country except over parts of north east, northwest, Mombasa and the rift valley. Night-time (minimum) temperatures generally increased over most parts while far fewer areas recorded decreases. These areas include the coastal areas, parts of southeast and Kisii.

Mandera Meteorological Station recorded the highest daily maximum temperature of 41.5°C on 23rd March, 2016. Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 7.3°C on 26th March, 2016. Mandera Meteorological Station recorded the highest seven-day average maximum temperature of 40.1°C while Nyahururu Meteorological Station recorded the lowest seven-day average minimum temperature of 8.5°C respectively. (See Figure 4 below)

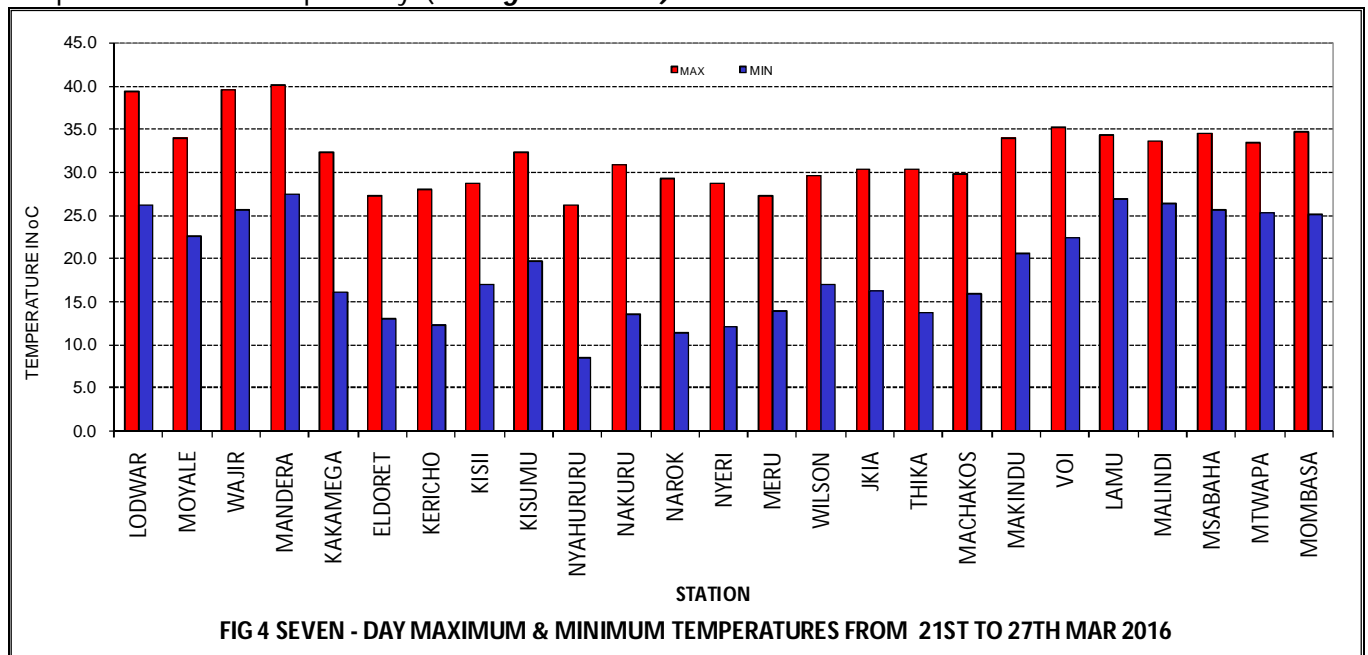


FIG 4 SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 21ST TO 27TH MAR 2016

2. FORECAST FOR THE NEXT SEVEN DAYS FROM 29TH MAR TO 4TH APR, 2016

The forecast indicates that:

- Dry and sunny weather expected over most parts of the country at the beginning of the forecast weather.
- Friday marks the start of rainfall over most parts of the country as the season sets in.
- As the rains set in the high temperatures observed are expected to cool down.

3. DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 29TH MAR TO 4TH APR, 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 morning from Tuesday to Thursday then morning rains over few places from Friday to the end of the forecast period. Afternoon/evening showers and thunderstorms are expected over few places on Wednesday and Thursday increasing to several places to the end of the forecast period. Tuesday is expected to experience sunny intervals the whole day;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience mainly sunny intervals the whole day on Tuesday to Thursday, thereafter showers and thunderstorms over few places are expected in the afternoons/evenings;

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 from Tuesday to Thursday. Friday to the end of the forecast period is expected to experience rains over few places in the morning giving way to sunny intervals then afternoon/evening showers over few places;

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

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience cloudy mornings giving way to sunny intervals at the start of the forecast period, Friday to Sunday are likely to receive morning rains over few places. Afternoon/evening showers are expected over few places from Thursday to the end of the forecast period;

The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to experience mainly sunny intervals the entire day for much of the forecast period. Morning showers are however likely over few places between Friday and Sunday

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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