



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
STATE DEPARTMENT OF ENVIRONMENT
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.go.ke, info@meteo.go.ke Website: <http://www.meteo.go.ke>

WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 3RD TO 9TH APRIL, 2018

Issue Date: 02/04/2018

Review of weather for the last seven-day period (26th Mar to 1st Apr, 2018):

- Most parts of the country continued to experience reductions in rainfall amounts although a few areas in the North East, the Central Highlands and the Coast recorded enhanced rainfall amounts;
- Both daytime (maximum) and nighttime (minimum) temperatures increased over some areas and reduced over others.

Forecast for the next seven days (3rd to 9th April, 2018):

The forecast indicates that:

- Wet conditions are likely to continue over several parts of the country;
- Several areas within the Central Highlands, the Coast and the Southeast Lowlands are likely continue receiving light to moderate rainfall while some parts of the Northeast may experience enhanced rainfall at the beginning of the forecast period.

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (26TH MARCH TO 1ST APRIL, 2018)

1.1 Rainfall Review

Most parts of the country continued to experience reductions in rainfall amounts although a few areas in the North East, the Central Highlands and the Coast recorded enhanced rainfall amounts. Kangema recorded the highest seven-day total rainfall of 98.5mm as depicted in **Figures 1 and 2**.

Some stations received very heavy rainfall (>50mm) within 24 hours. These include Suba (68.3mm on 28th March) and Kangema (63.0mm on 1st April). A few other stations recorded heavy rainfall (20-50mm) within 24 hours. These include Embu (44.4mm), Kakamega (34.5), Meru (32.3mm), Nakuru (29.6mm), Kitui (29.2mm), Tuthu in Kangema County (28.4mm), Marsabit (26.6mm), Mrangi Primary in Taita Taveta County (25.0mm), Moi Air Base (24.4mm), Kericho (23.8mm, Kisii (23.0mm) and Garissa (22.8mm) as depicted in **Figure 3**.

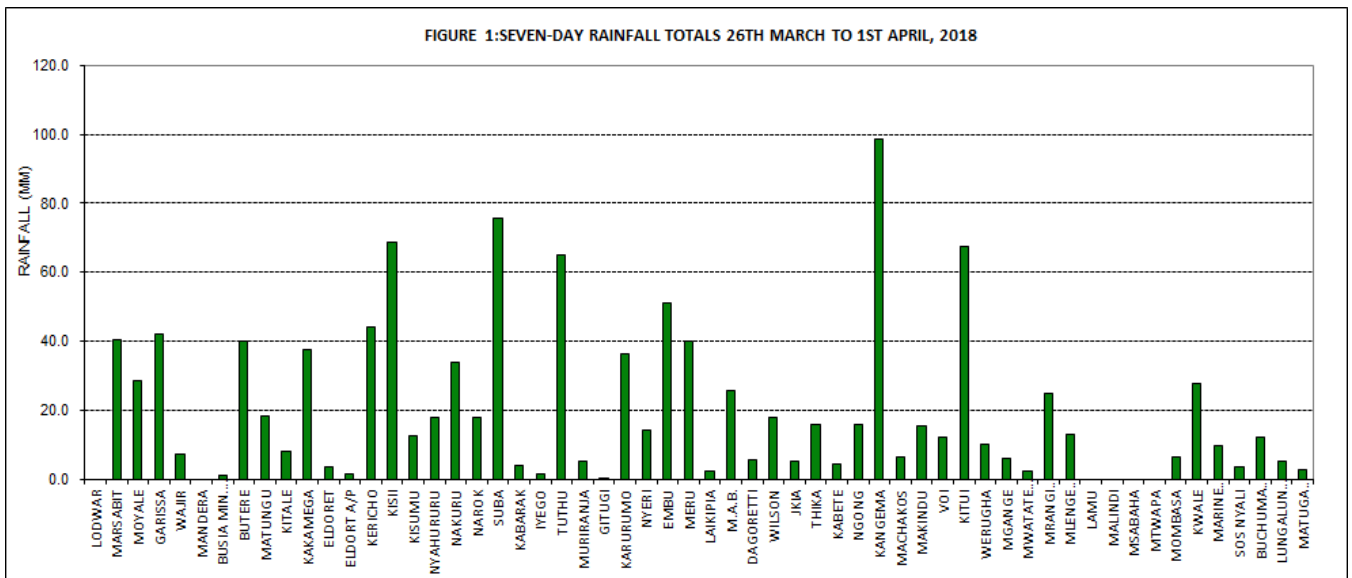


FIG 2: RAINFALL TOTALS FOR 26TH MAR TO 1ST APR, 2018

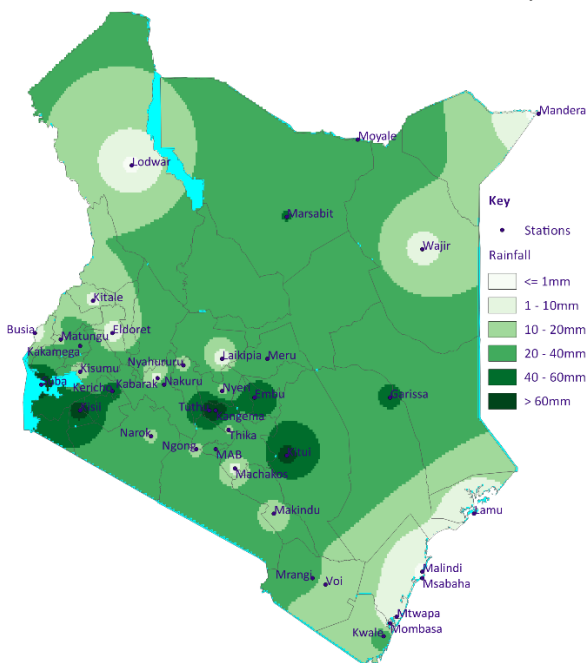
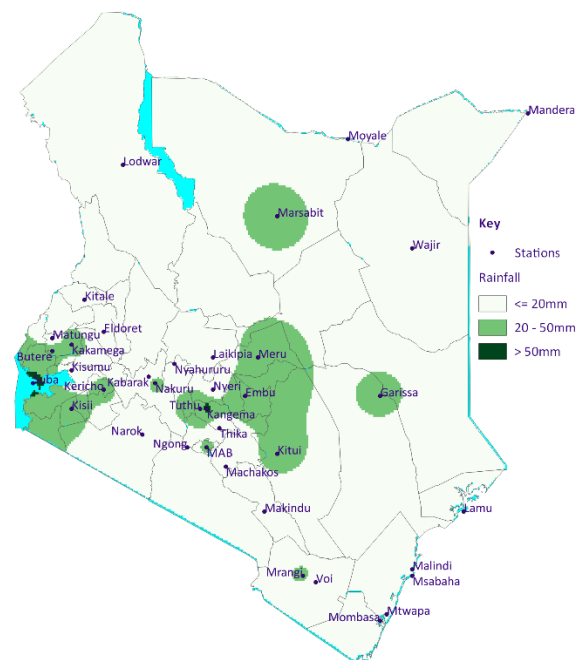


FIG 3: AREAS THAT RECORDED HEAVY TO VERY HEAVY RAINFALL

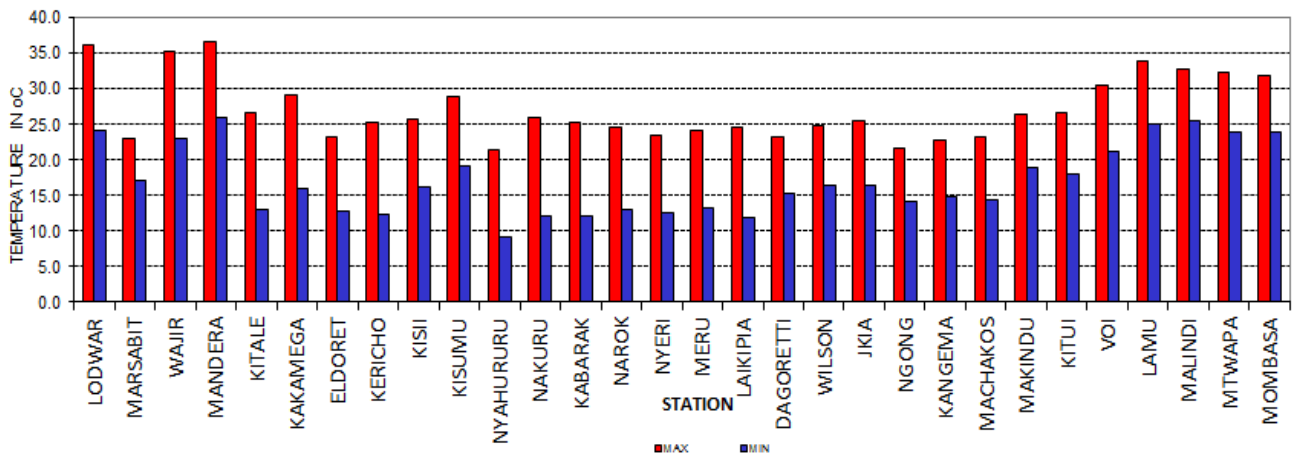


1.2 Temperature

During the review period, day-time (maximum) temperatures increased over some stations like Kisumu, Lodwar and Wilson and decreased over others like Makindu, Machakos and Mombasa. Night-time (minimum) temperatures generally increased over most parts of the country although some areas like Wajir, Narok and Nyeri recorded decreases.

Mandera Meteorological Station recorded the highest daily maximum temperature of 38.0°C on 1st April while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 7.2°C on 30th March. The same stations recorded the highest seven-day average maximum temperature of 36.7°C and the lowest seven-day average minimum temperature of 9.1°C respectively. (See **Figure 4** below)

FIG 4: SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 26TH MARCH TO 1ST APRIL, 2018



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 3RD TO 9TH APRIL, 2018

The forecast for the next seven day period (3rd to 9th April 2018) indicates that:

- Wet conditions are likely to continue over several parts of the country;
- Several areas within the Central Highlands, the Coast and the Southeast Lowlands are likely continue receiving light to moderate rainfall while some parts of the Northeast may experience enhanced rainfall at the beginning of the forecast period.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 3RD TO 9TH APRIL, 2018

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, Uasin Gishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are expected to experience mainly sunny intervals in the morning and afternoon/evening showers and thunderstorms over several places throughout the forecast period.

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals the entire day on Tuesday and Wednesday. From Thursday, a few places may experience morning rains and afternoon/evening showers and thunderstorms;

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 a possibility of rains over few places giving way to sunny intervals for much of the forecast period. Afternoon/evening showers are expected over few places throughout the forecast period;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience morning rains over several places on Tuesday and over few places on the remaining days. Afternoon/evening showers are expected over several places on Tuesday and over few places on the remaining days;

Southeastern Lowlands (counties of Kitui, Makueni, Machakos and Taita Taveta): are expected to experience mainly sunny intervals the entire day throughout the forecast period. There is however a possibility of afternoon/evening showers over a few places;

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): are expected to experience mainly sunny intervals the entire day with a possibility of late morning showers over few places 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

<i>Rainfall categories</i>	
<i>Range</i>	<i>Category</i>
<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

<i>Rainfall coverage</i>	
<i>Term</i>	<i>Meaning</i>
Most Places	Between 66% and 100%
Several Places	Between 33% and 66%
Few Places	Between 0 and 33%

J. Gacheru-Ongoma

FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT