



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
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 26TH
FEBRUARY TO 4TH MARCH, 2019

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Review of weather for the last seven-day period (18th to 24th February, 2019):

- Several parts of the country recorded rainfall.
- Both day-time (maximum) and night-time (minimum) temperatures increased over most stations and decreased over a few others.

Forecast for the next seven days (26th February to 4th March, 2019):

The forecast indicates that:

- Most parts of the country are expected to be hot and dry during the first half of the forecast period. During the second half, the southern half of the country is likely to receive some rainfall.

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (18TH TO 24TH FEBRUARY, 2019)

1.1 Rainfall Review

The review period saw a break in the hot and dry conditions that are typical of this season with several parts of the country recording rainfall. A comparison between the previous seven days (11th to 17th February, 2019) with the period under review (18th to 24th February, 2019) indicates a significant increase in rainfall amounts over the Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley and the Southeastern Lowlands.

Kwangamor Primary School in Busia County recorded the highest seven-day total rainfall of 69.7mm. Other stations that recorded significant seven-day totals include Voi Meteorological Station (63.2mm), Kisumu Meteorological Station (53.4mm), Butere Rainfall Station (52.0mm), Mrangi Primary School in Taita Taveta County (43.5mm) and Kakamega Meteorological Station (38.8mm) as depicted in **Figures 1 and 2**.

A number of stations also recorded heavy rainfall (20 - 50mm within 24 hours) and very heavy rainfall (>50mm within 24 hours) within the review period. These include Voi Meteorological Station (58.2mm on 24th Feb, 2019), Mrangi Primary School (43.5mm on 24th Feb, 2019), Kisumu Meteorological Station (33.0mm on 22nd Feb, 2019), Butere Rainfall Station (30.6mm on 22nd Feb, 2019) and Kwangamor Primary School (28.2mm on 24th Feb, 2019).

FIGURE 1: SEVEN-DAY RAINFALL 18TH TO 24TH FEBRUARY, 2019

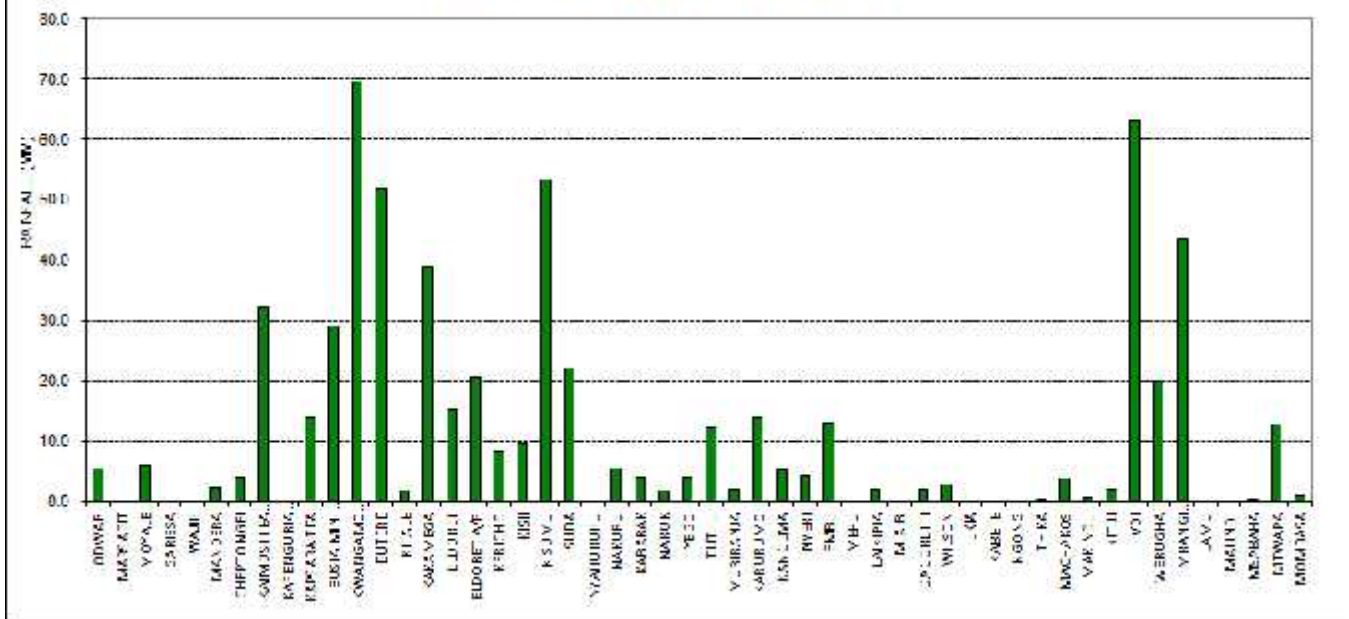


FIG 2: RAINFALL TOTALS FOR 18TH TO 24TH FEBRUARY, 2019

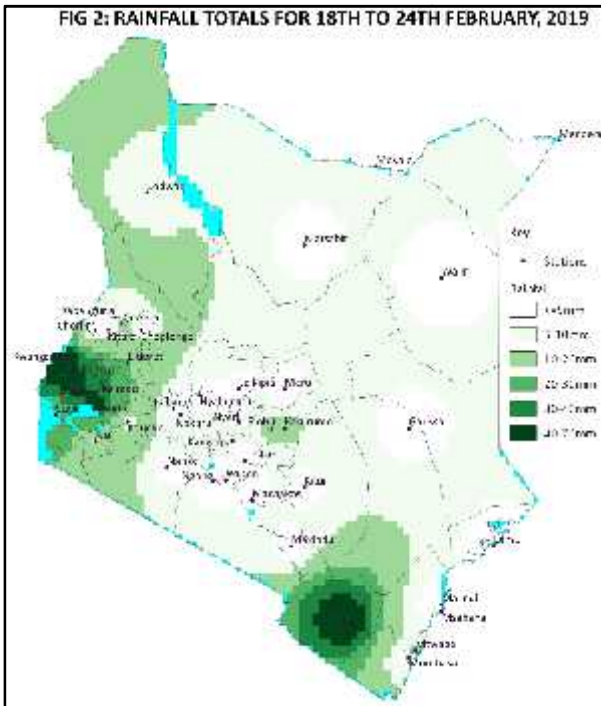
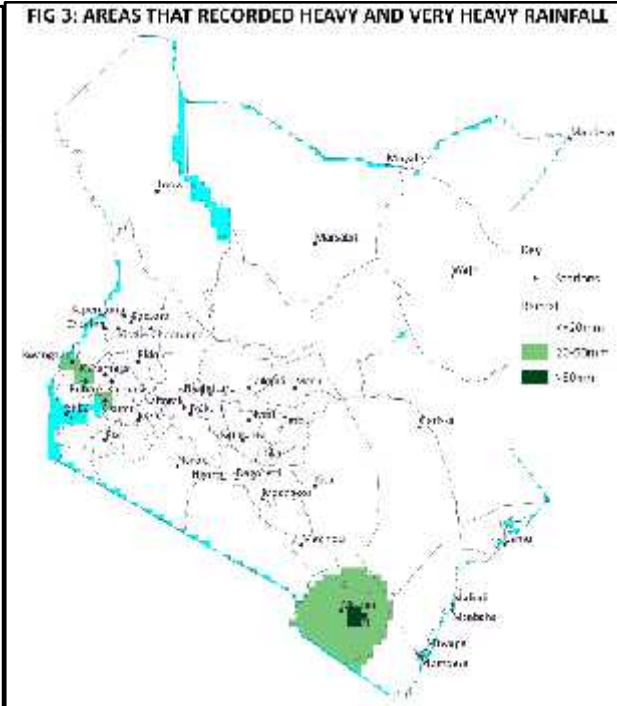


FIG 3: AREAS THAT RECORDED HEAVY AND VERY HEAVY RAINFALL

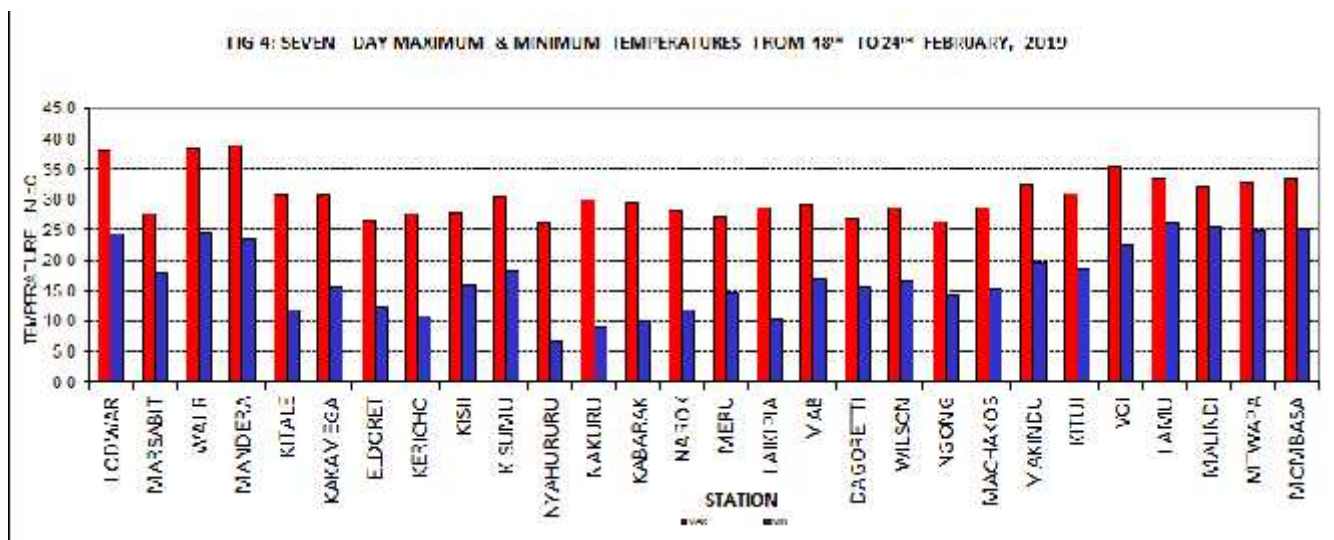


1.2 Temperature Review

Comparing the previous seven days (11th to 17th February, 2019) with the period under review (18th to 24th February, 2019) it is noted that day-time (maximum) temperatures increased over most regions with the exception of the Highlands West of the Rift Valley. Night-time (minimum) temperatures also increased over most parts of the country with the exception of a few stations including Kitale and Kisii.

Wajir Meteorological Station recorded the highest daily maximum temperature of 39.9°C on 19th February, 2019 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.7°C on 18th February, 2019. Manderla Meteorological Station recorded the highest

seven-day average maximum temperature of 38.8°C while Nyahururu Meteorological Station recorded the lowest seven-day average minimum temperature of 6.6°C (see Figure 4 below).



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 26TH FEBRUARY TO 4TH MARCH, 2019.

The forecast for the next seven-day period indicates that:

- Most parts of the country are expected to be hot and dry during the first half of the forecast period. During the second half, the southern half of the country is likely to receive some rainfall.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 26TH FEBRUARY TO 4TH MARCH, 2019.

The Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley (Counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Trans Nzoia, Baringo, Uasin Gishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are likely to experience mainly sunny intervals during the day and partly cloudy skies at night during the first half of the forecast period. There is however a possibility of afternoon/evening showers and thunderstorms occurring over few places throughout the forecast period with intensities expected to be higher between Saturday and Monday.

Northwestern (Counties of Turkana, West Pokot and Samburu) is likely to experience sunny intervals during the day and partly cloudy to clear skies at night throughout the forecast period.

Central Highlands (including Nairobi area) (Counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are likely to experience sunny intervals during the day and partly cloudy to clear skies at night during the first half of the forecast period. However, a few areas are likely to experience light morning rains on Sunday and Monday while afternoon/evening showers are expected on Tuesday and between Friday and Monday.

Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) is likely to experience sunny intervals during the day and partly cloudy to clear skies at night throughout the forecast period. However there is a possibility of afternoon showers over few places on Sunday and Monday.

Southeastern Lowlands (Counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta) are likely to experience sunny intervals during the day and partly cloudy to clear skies at night during the first half of the forecast period. However, a few areas are likely to experience light morning rains and afternoon/evening showers between Saturday and Monday.

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): is likely to experience sunny intervals during the day and partly cloudy skies at night throughout the forecast period. However, there is a possibility of morning showers occurring over few places on Sunday and Monday.

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	Below 33%

Stella Aura, MBS

Ag. DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT