



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY

KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 22ND TO 28TH
JANUARY, 2019

Issue date: 21st January, 2019

Review of weather for the last seven-day period (14th to 20th January, 2019):

- Hot and dry weather conditions prevailed over several parts of the country.
- Rainfall was recorded over few places in the South Eastern Lowlands and Highlands West and East of the Rift Valley.
- Day-time (maximum) and night-time (minimum) temperatures increased and decreased respectively over most stations.

Forecast for the next seven days (22nd to 28th January, 2019):

The forecast indicates that:

- Hot and dry weather conditions expected over most parts of the country during the forecast period.

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (14TH TO 20TH JANUARY, 2019)

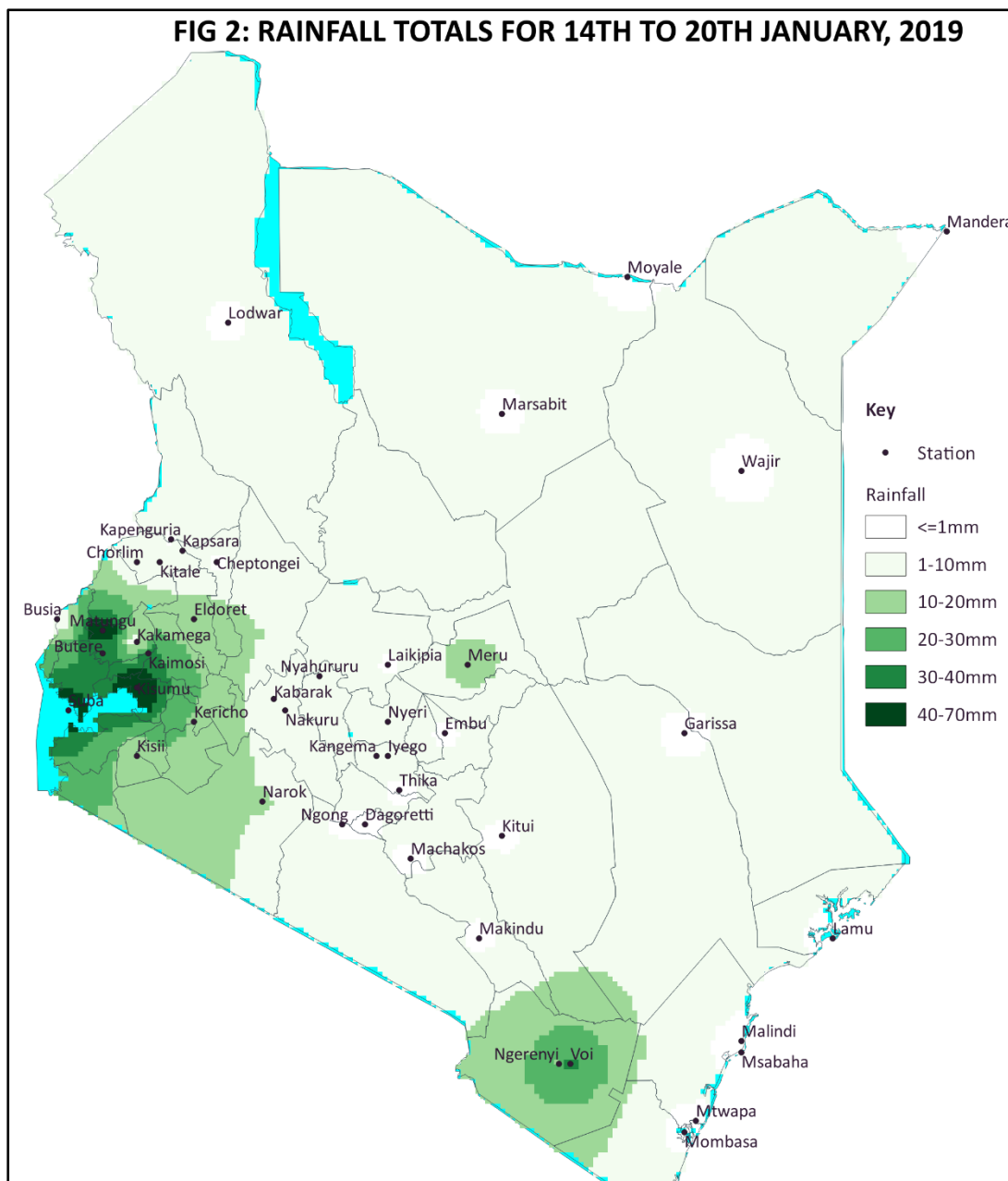
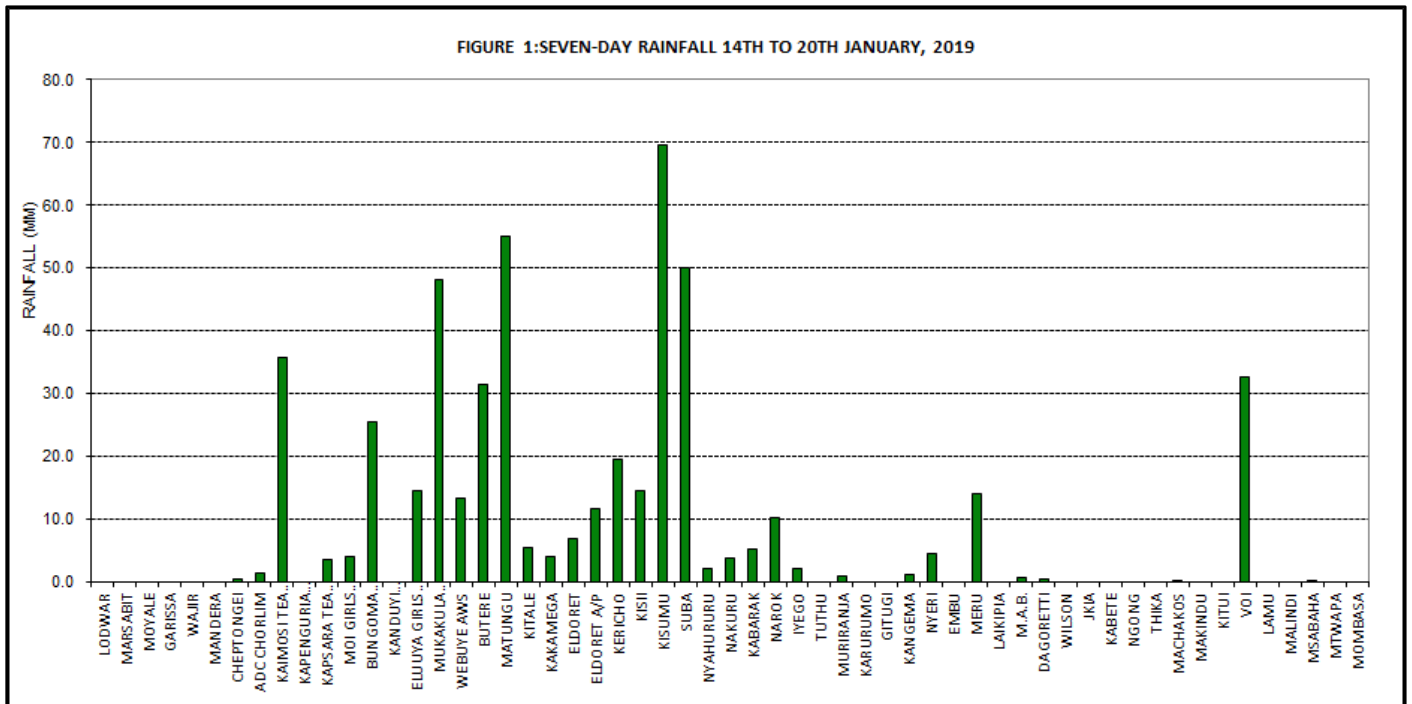
1.1 Rainfall Review

Hot and dry weather conditions were experienced over several parts of the country. However, rainfall was recorded over few areas in the South Eastern Lowlands and Highlands West and East of the Rift Valley as depicted in **Figures 1** and **2**. A comparison between the previous seven days (7th to 13th January, 2019) with the period under review (14th to 20th January, 2019) indicates an increase in rainfall amounts over few parts of the country.

During the period under review, Kisumu Meteorological Station recorded the highest seven-day total rainfall of 69.5mm. Other stations that recorded rainfall include Matungu Rainfall Station in Kakamega County (55.1mm), Suba Meteorological Station (50.0mm), Mukakula Rainfall Station in Bungoma County (48.2mm), Kaimosi Tea Factory Rainfall Station in Vihiga County (35.8mm), Voi Meteorological Station (32.6mm), Butere Rainfall Station in Kakamega County (31.5mm) and Bungoma Water Supply Rainfall Station in Bungoma County (25.4mm) as depicted in **Figure 2**.

Kisumu Meteorological Station recorded the highest amount of rainfall within 24 hours i.e. 51.0mm on 18th January, 2019. Other stations that recorded heavy rainfall (20-50mm) within 24 hours include, Suba Meteorological Station 46.2mm on 16th January, 2019 followed by Voi Meteorological Station

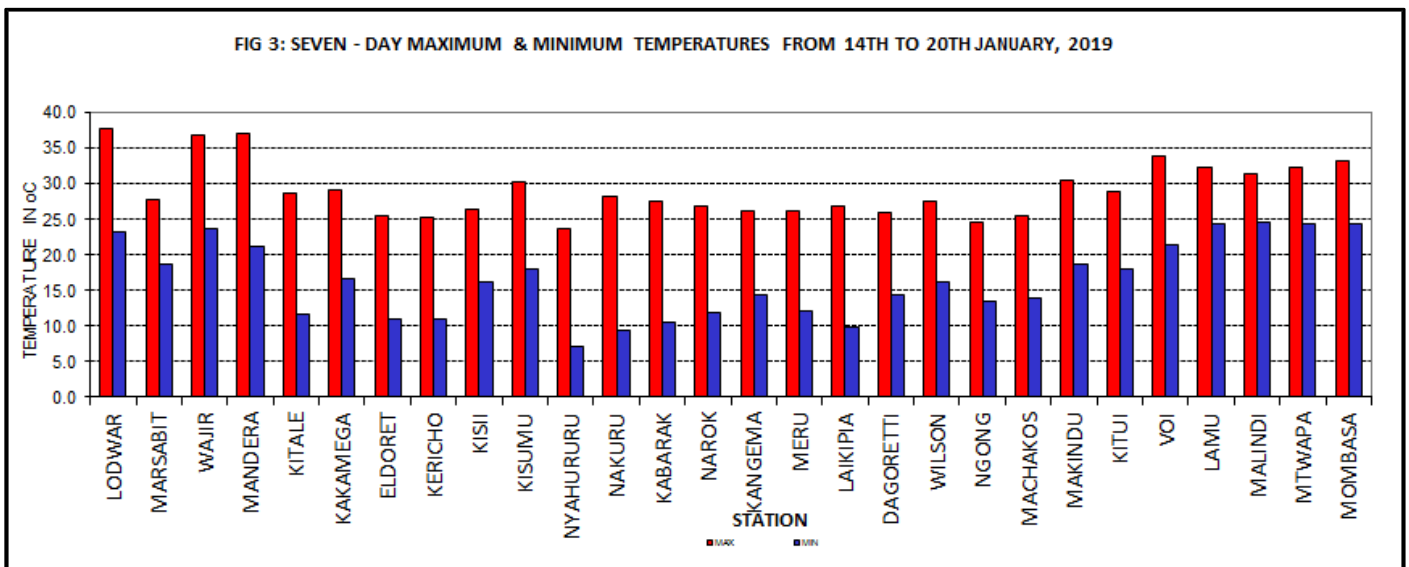
32.6mm on the same day. Matungu Rainfall Station in Kakamega County also recorded 29.2mm and 25.9mm on 15th and 16th January, 2019.



1.2 Temperature Review

Comparing the previous seven days (7th to 13th January, 2019) with the period under review (14th to 20th January, 2019) it is noted that day-time (maximum) temperatures increased over most stations with the exception of Wajir, Kitale, Kakamega, Kericho, Kisii, Narok, Lamu, Malindi and Mtwapa. Night-time (minimum) temperatures decreased over most stations with the exception of Narok, Kabarak, Kangema, Mandera, Kisumu, Ngong and Marsabit.

Lodwar Meteorological Stations recorded the highest daily maximum temperature of 38.4°C on 20th January, 2019 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 6.0°C on 19th January, 2019. The same stations recorded the highest seven-day average maximum temperature of 37.9°C and the lowest seven-day average minimum temperature of 7.2°C respectively (see **Figure 3** below).



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 22ND TO 28TH JANUARY, 2019.

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

- Hot and dry weather conditions expected over most parts of the country during the forecast period.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 22ND TO 28TH JANUARY, 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 sunny intervals during the day and partly cloudy conditions at night most of the forecast period. However, afternoon/night showers and thunderstorms expected over few places on Tuesday and Wednesday in the South Western Rift Valley.

Northwestern (Counties of Turkana, West Pokot and Samburu) is likely to experience sunny conditions during the day and partly cloudy conditions 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 conditions at night most of the forecast period. However, a chance of afternoon showers expected over few places on Tuesday and Wednesday in High ground areas.

Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) is likely to experience sunny conditions during the day and partly cloudy conditions at night throughout the forecast period.

Southeastern Lowlands (Counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta) are likely to experience sunny intervals during the day and partly cloudy conditions at night throughout the forecast period.

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): is likely to experience sunny intervals during the day and partly cloudy conditions 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 | Below 33% |

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