



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & NATURAL RESOURCES
KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 17TH TO 23RD OCT, 2017

Issue Date: 16/10/2017

Review of weather for the last seven-day period (9th to 15th Oct, 2017):

- Rainfall was reported over several parts of the country with heavier intensities occurring in the highlands east and west of the Rift Valley as well as Nairobi area. The Coastal region and much of Northeastern and Southeastern parts remained generally dry.
- Day-time (maximum) temperatures generally decreased throughout the country but increased over the coast as well as few stations in the rift valley.

- Night-time (minimum) temperatures generally increased over much of the country but decreased mainly over the Coastal region.

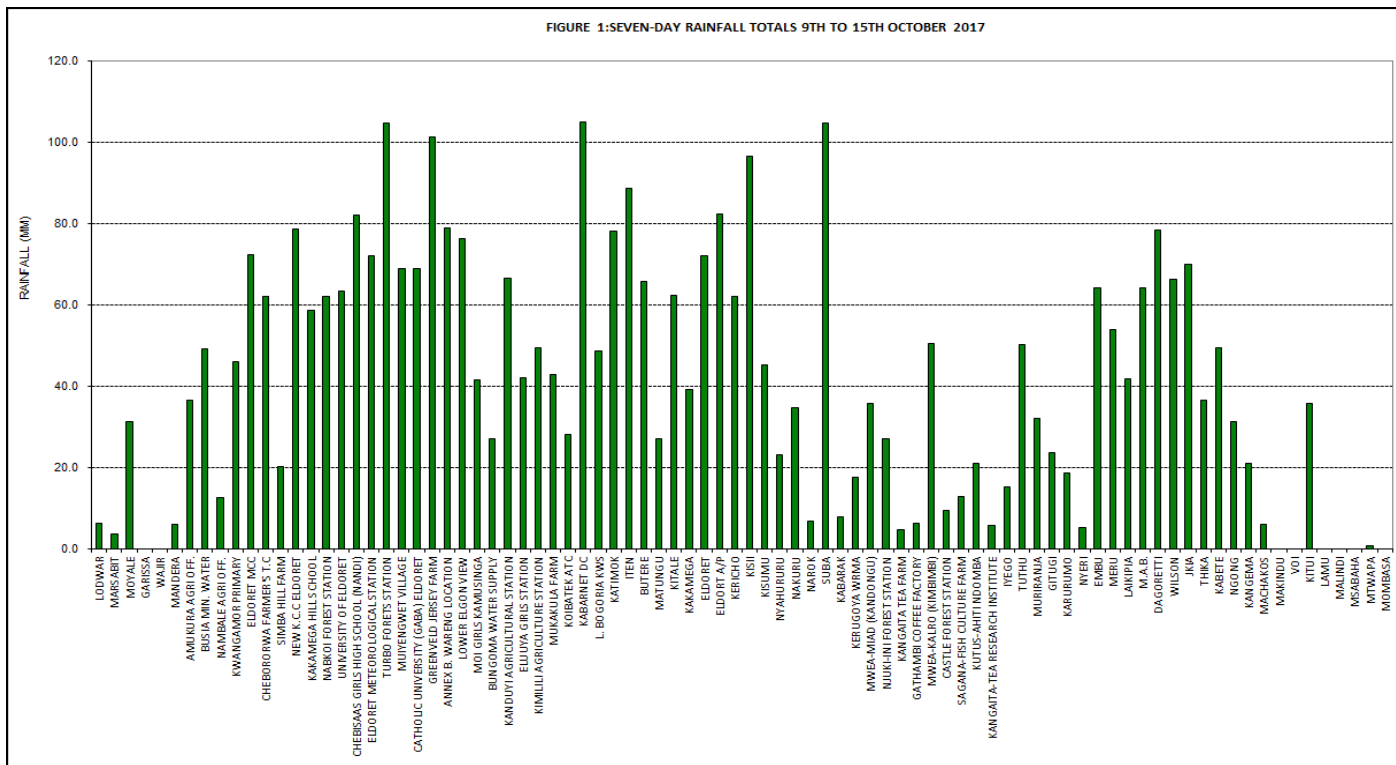
Forecast for the next seven days (17th to 23rd Oct, 2017):

- The forecast indicates that:
- Several parts of the country are expected to receive rainfall between Wednesday and Sunday. The rainfall may be enhanced on some days mainly over highlands west and east of the rift valley as well as the extreme Northeast;
 - The Coastal region and the southeast lowlands are however expected to be relatively drier.

1. Weather Review for the last seven days (9th to 15th Oct, 2017)

1.1 Rainfall Review

During the review period (9th to 15th October 2017) rainfall was reported over several parts of the country while the Coastal region, much of northeastern areas and the southeastern lowlands remained generally dry. (See Figure 1).



Heavy to very heavy rainfall events were experienced in some parts of the highlands east and west of the Rift Valley as well as Nairobi area in mid of the review period. Nairobi had the heaviest rainfall events on 11th October 2017 with Dagoretti Meteorological station recording the highest amount of rainfall of 68mm within a 24-hour followed by Jomo Kenyatta International Airport with 62.4mm, Moi Airbase with 53.1mm and Wilson Airport with 48.2mm while Kabete had 25.2mm.

The seven day rainfall totals indicate that Kabarnet DC's office station recorded the highest s of 105mm. Other stations that received seven day total rainfall amounts in excess 80mm were Chebisaas Girls High School in Nandi, Turbo Forest Station, Greenveld Jersey Farm, Kabarnet DC, Iten, Eldoret International Airport, Kisii and Suba.

Compared to the previous review period, there was an increase in rainfall amounts over much of the country. **Figure 2** shows the spatial distribution of rainfall during the review period.

FIG 2: RAINFALL TOTALS FOR 9TH TO 15TH OCT, 2017

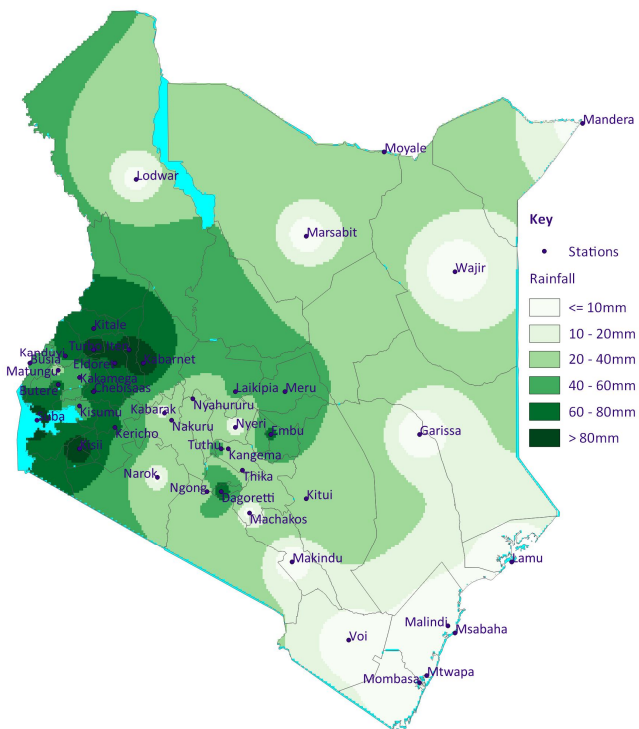
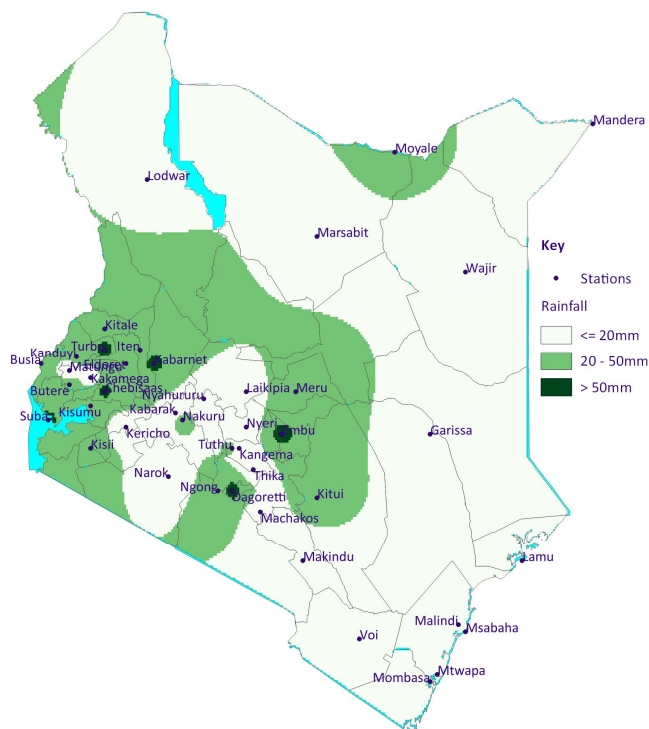


FIG 3: AREAS THAT RECORDED HEAVY TO VERY HEAVY RAINFALL

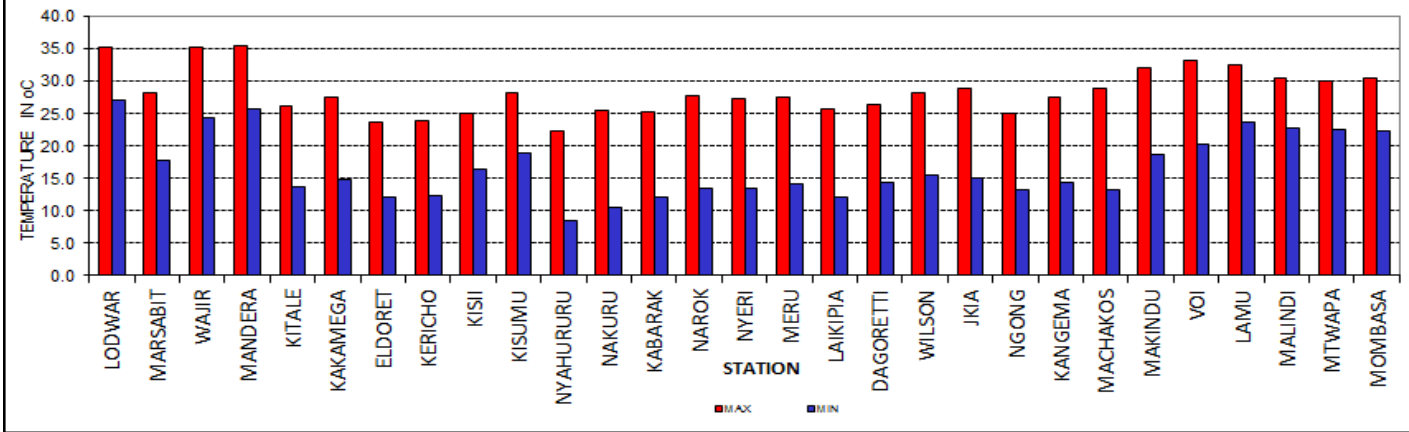


1.2 Temperature

During the review period, day-time (maximum) temperatures generally decreased throughout the country but increased over the coast as well as few stations in the rift valley. Night-time (minimum) temperatures generally increased over much of the country but decreased mainly over the Coastal region.

Mandera Meteorological Station recorded the highest daily maximum temperature of 38.0°C on 12th October while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.5°C on 9th October. Lodwar recorded the highest seven-day average maximum temperature of 36.5°C while Nyahururu recorded the lowest seven-day average minimum temperature of 8.6°C. (See **Figure 4** below)

FIG 4 SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 9TH TO 15TH OCTOBER 2017



FORECAST FOR THE NEXT SEVEN DAYS FROM 17TH TO 23RD OCT, 2017

The forecast for the next seven day period (17th to 23rd Oct 2017) indicates that:

- Several parts of the country are expected to receive rainfall between Wednesday and Sunday. The rainfall may be enhanced on some days mainly over highlands west and east of the rift valley as well as the Northeast;
- The Coastal region, the southeast lowlands and much of the northeastern areas are however expected to be relatively drier once again.

1.2 DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 17TH TO 23RD OCT, 2017

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 morning rains over few places between Friday and Sunday, the rest of the mornings are expected to be relatively dry with sunny intervals. Afternoon showers and thunderstorms are expected over several places for much of the forecast period and will spread to cover the counties to the northeast of this region from Saturday, 21st October 2017.

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals in the morning and afternoon showers and thunderstorms over few places from Tuesday to Thursday and on Monday 23rd October 2017. Morning rains are expected over few places and afternoon showers and thunderstorms over several places on the other days of the forecast period. Heavy afternoon showers are likely to occur in the areas bordering Uganda on Sunday, 22nd October 2017.

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 rains over few places giving way to sunny intervals. Afternoon showers are expected over few places throughout the forecast period. Thursday is however expected to receive rainfall over several places;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience mainly sunny intervals the entire day for much of the forecast period. Friday to Sunday mornings are however expected to receive rains over few places and afternoon showers over few places as well. The rainfall will commence in the extreme norther parts (Moyale) on Friday and spread to the rest of Marsabit County, parts of Mandera and Wajir Counties from Saturday, 21st October 2017.

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience mainly sunny intervals the whole day throughout 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. Light morning showers are, however, expected along the strip on Friday in the extreme south spreading the other parts from Saturday.

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%

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FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT