



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & NATURAL RESOURCES

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 29TH AUG TO 4TH SEPT, 2017

Issue Date: 28/08/2017

Review of weather for the last seven-day period 21st to 27th Aug, 2017):

- Rainfall was recorded over the Highlands West of the Rift Valley (heavy rainfall), parts of highlands east of the rift valley, Coast, Central Kenya and parts of Nairobi.
- Day-time (maximum) temperatures generally increased over much of the country. Decreases were however recorded in few parts of Highlands west of the rift valley.
- Night-time (minimum) temperatures increased mainly over the Northeast, parts of Highlands west of the rift valley, as well as parts of Northwest. The rest of the regions mainly recorded decreases.

Forecast for the next seven days (29th Aug to 4th Sept, 2017):

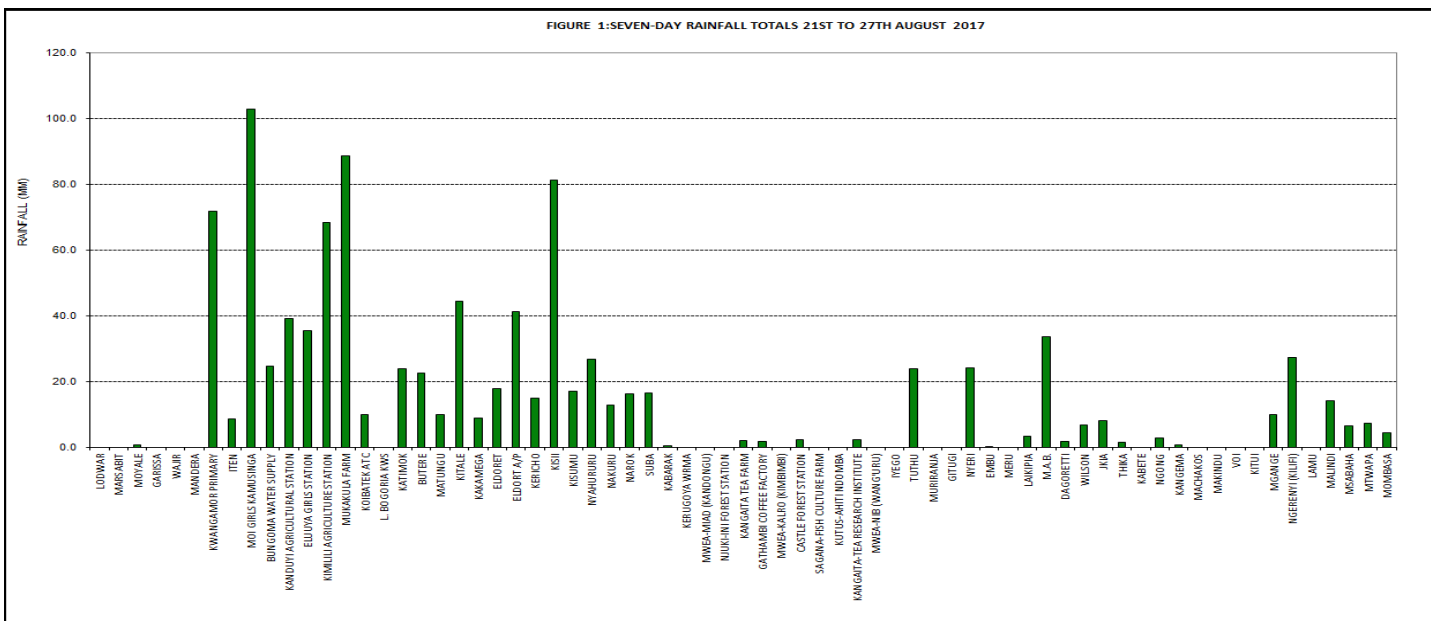
The forecast indicates that:

- Rainfall is expected mainly in the Highlands West and East of the Rift Valley as well as parts of Northwest.

1. Weather Review for the last seven days (21st to 27th Aug, 2017)

1.1 Rainfall Review

Rainfall was recorded over the Highlands West of the Rift Valley (heavy rainfall), parts of highlands east of the rift valley, Coast, Central Kenya and parts of Nairobi. (See Figure 1).



Moi Girls Kamusinga station recorded the highest seven-day total of 102.8mm while Kisii Meteorological station recorded the highest rainfall received within 24 hours (55mm on 22nd August).

Compared to the previous review period, there was a general increase in rainfall amounts over most parts of the country though some stations recorded significant decreases as well. **Figure 2** shows the spatial distribution of rainfall during the review period. **Figure 3** shows stations that recorded heavy (>20mm/24hrs) rainfall during the review period.

FIG 2: RAINFALL TOTALS FOR 21ST TO 27TH AUGUST, 2017

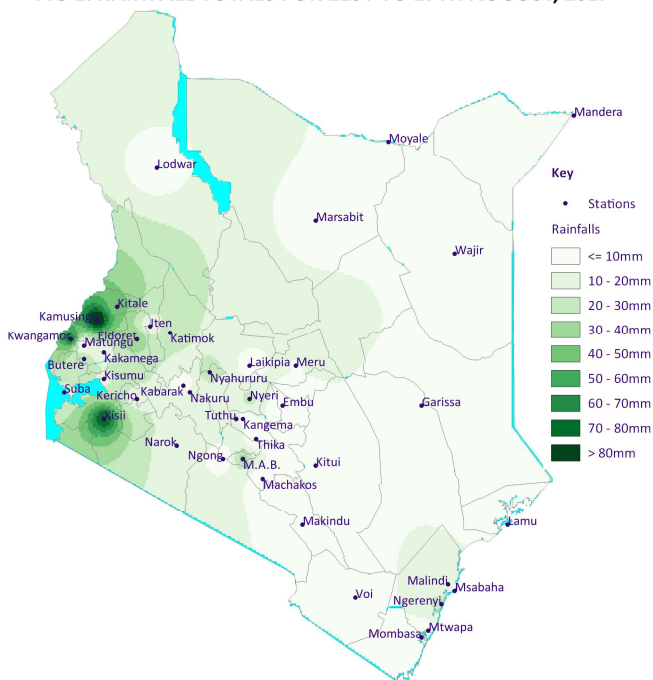
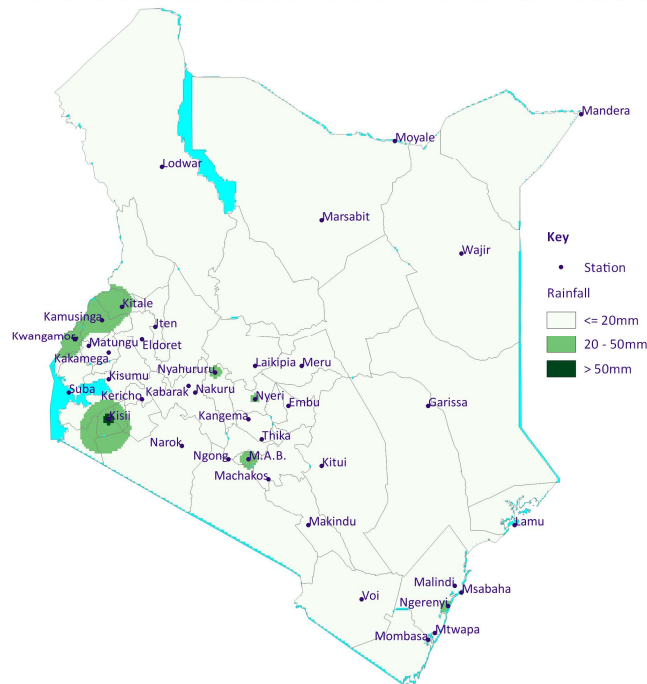


FIG 3: AREAS THAT RECORDED HEAVY TO VERY HEAVY RAINFALL

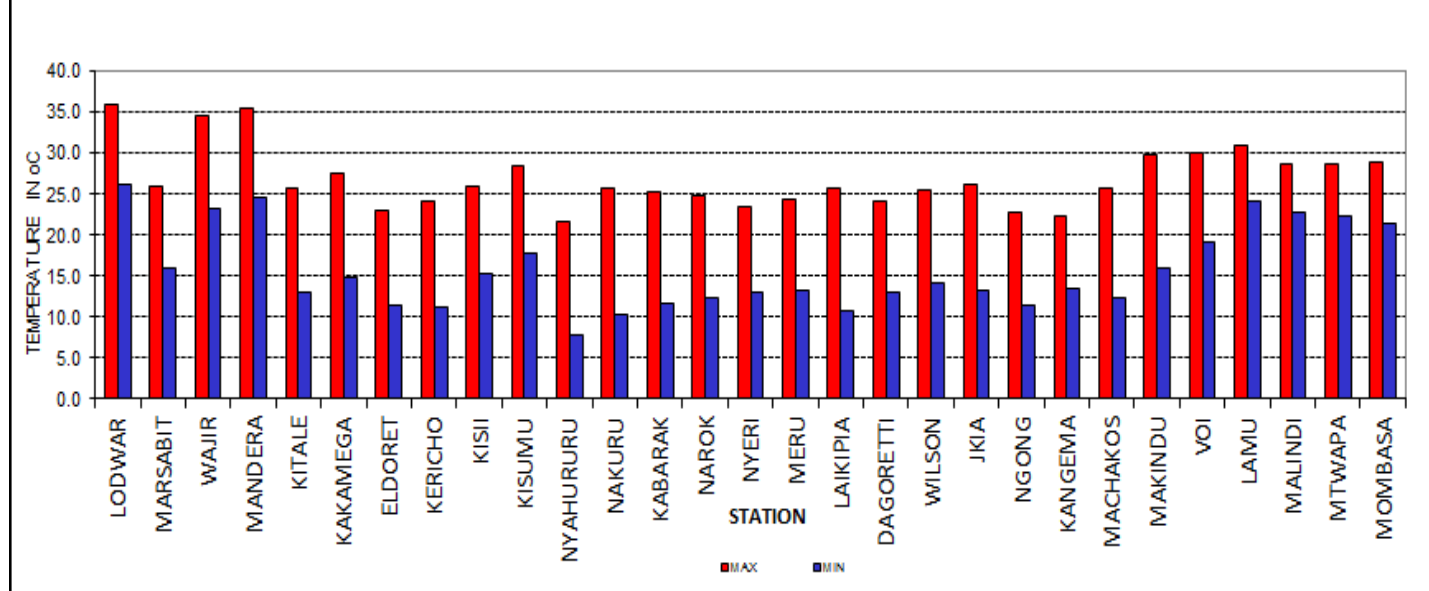


1.2 Temperature

During the review period, day-time (maximum) temperatures generally increased over much of the country. Decreases were however recorded in few parts of Highlands west of the rift valley. Night-time (minimum) temperatures increased mainly over the Northeast, parts of Highlands west of the rift valley, as well as parts of Northwest. The rest of the regions mainly recorded decreases.

Mandera Meteorological Station recorded the highest daily maximum temperature of 37.1°C on 26th August while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 6.1°C on the same day. Lodwar meteorological station recorded the highest seven-day average maximum temperature of 35.9°C while Nyahururu recorded the lowest seven-day average minimum temperature of 7.7°C. (See **Figure 4** below)

FIG 4 SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 21ST TO 27TH AUGUST 2017



FORECAST FOR THE NEXT SEVEN DAYS FROM 29TH AUG TO 4TH SEPT, 2017

The forecast indicates that:

- Rainfall is expected mainly in the Highlands West and East of the Rift Valley as well as parts of Northwest;

1.2 DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 29TH AUG TO 4TH SEPT, 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 and afternoon showers and thunderstorms over several places for much of the forecast period;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience morning rains over few places and afternoon showers and thunderstorms over few places for much of the forecast period;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to experience cloudy mornings giving way to sunny intervals throughout the forecast period, Wednesday to Friday mornings are however likely to receive morning rains over few places. Afternoon showers over few places are expected during the forecast period;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience sunny intervals the whole day throughout the forecast period;

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. Morning showers over few places may however be experienced on Friday and 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%

Patricia A.N

FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT