



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
STATE DEPARTMENT OF ENVIRONMENT
KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 10TH TO 16TH JULY, 2018

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1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (2ND TO 8TH JULY, 2018)

1.1

Review of weather for the last seven-day period (2nd to 8th July, 2018):

- Both day-time (maximum) temperatures and night-time (minimum) temperatures generally decreased over much of the country.
- Dry conditions continued to prevail although some rainfall was recorded over a few areas mainly within the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley and the Coastal Strip;

Forecast for the next seven days (10th to 16th July, 2018):

The forecast indicates that:

- Dry weather conditions are expected to continue over most parts of the country. A few areas within the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley are likely to receive occasional showers.
- Cool and cloudy conditions will continue to prevail over the Central Highlands (including Nairobi) and parts of the Southeast Lowlands. However, the temperatures are expected to be generally warmer than the previous seven days

1.2 Rainfall Review

Most parts of the country continued to experience dry conditions as is expected during this time of year.

However, some rainfall was recorded over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley and the Coastal Strip as depicted in **Figures 1 and 2**. Comparing the current review period (2nd to 8th July, 2018) to the previous week (25th June to 1st July 2018) there was a general decrease in rainfall amounts over the western half of the country and a slight increase over some parts of the Coast and the Northeast.

Kapsara Tea Factory in Trans-Nzoia County recorded the highest seven-day total rainfall of 110.5mm. Other notable seven-day rainfall totals were recorded in Eldoret Airport (87.9mm), ADC Chorlim in Trans-Nzoia County (67.9mm), Msabaha (59.4mm), Malindi (57.1mm), and Kaimosi Tea Factory in Vihiga County (55.3mm).

Kapsara Tea Factory recorded the highest amount of rainfall within 24 hours (60.3mm on 7th July). No station recorded very heavy rainfall (>50mm within 24hrs). However, a number of stations including Malindi, ADC Chorlim, Eluuya Girls Station (Bungoma County), Kaimosi Tea Factory, Lamu, Kitale, Moyale and Mukakula Farm (Bungoma County) recorded heavy rainfall (20-50mm within 24 hours) as depicted in **Figure 3**.

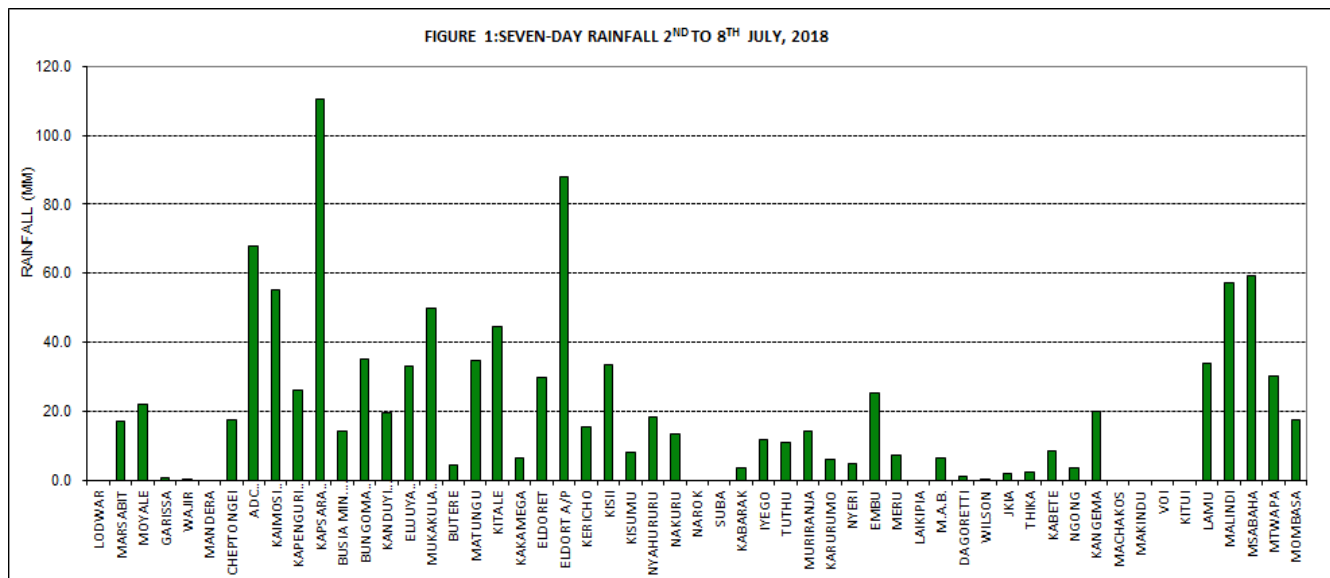


FIG 2: RAINFALL TOTALS FOR 2ND TO 8TH JULY, 2018

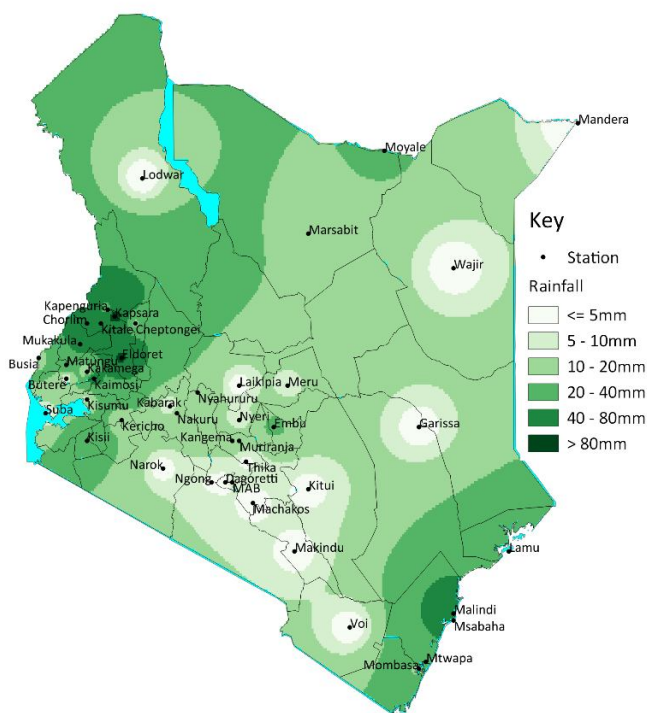
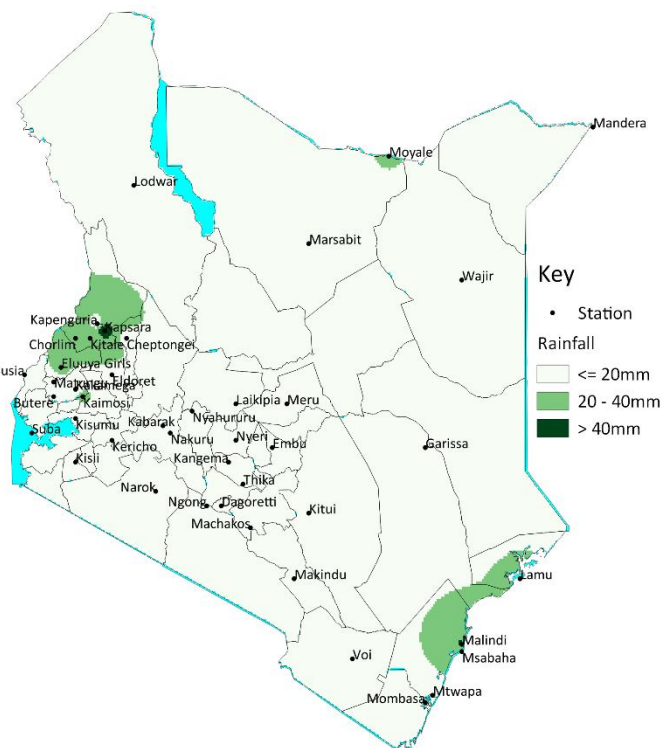


FIG 3: AREAS THAT RECORDED HEAVY RAINFALL

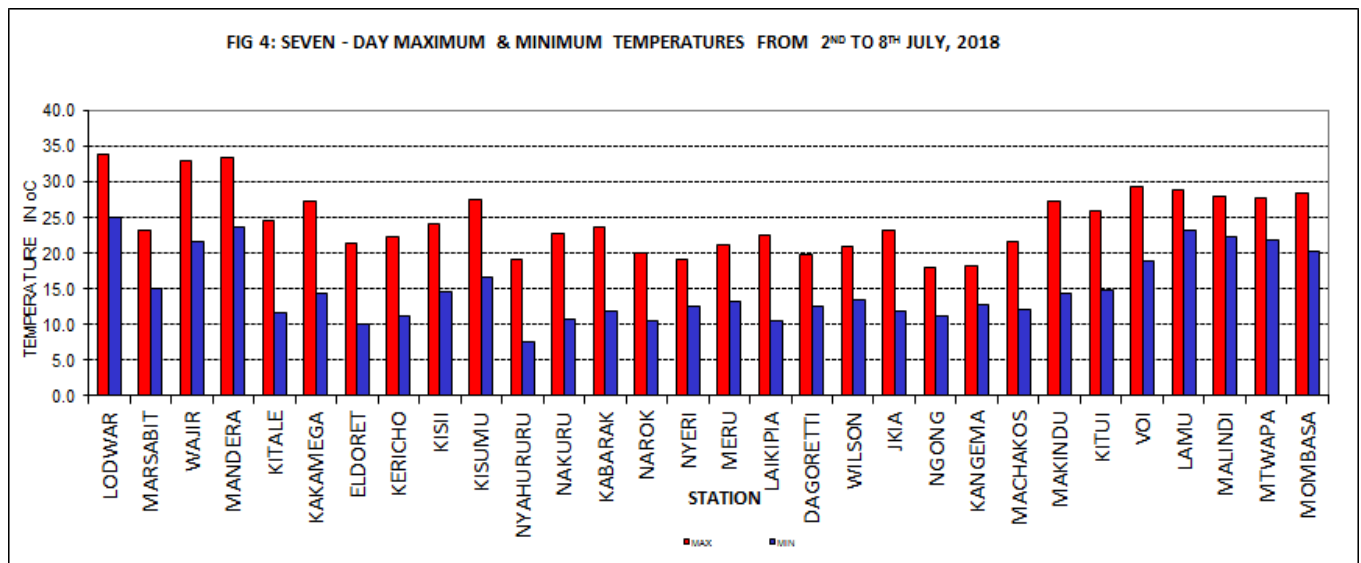


1.3 Temperature

Comparing the current review period (2nd to 8th July, 2018) to the previous week (25th June to 1st July 2018), day-time (maximum) temperatures decreased throughout the country with the exception of a few areas Kitale, Voi and Mombasa. Night-time (minimum) temperatures also decreased over most areas save for a few stations like Machakos, Narok and Makindu.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 34.6°C on 6th July while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.4°C on 7th July. The

same stations recorded the highest seven-day average maximum temperature of 34.0°C and the lowest seven-day average minimum temperature of 7.6°C respectively. (See **Figure 4** below)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 10TH TO 16TH JULY, 2018

The forecast for the next seven day period indicates that:

- Dry weather conditions are expected to continue over most parts of the country. A few areas within the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley are likely to receive occasional showers.
- Cool and cloudy conditions will continue to prevail over the Central Highlands (including Nairobi) and parts of the Southeast Lowlands. However, the temperatures are expected to be generally warmer than the previous seven days.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 10TH TO 16TH JULY, 2018

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, UasinGishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are expected to experience morning rains over few places breaking into sunny intervals between Tuesday and Friday. The remaining mornings are likely to be sunny. Afternoon/evening showers and thunderstorms are expected over several places between Tuesday and Friday and over few places on the remaining days.

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience morning rains and afternoon/evening showers over few places (especially those neighboring Uganda) between Tuesday and Thursday. The remaining days are expected to be mostly sunny and the evenings partly cloudy.

Central Highlands (including Nairobi area) (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to experience mainly cool and cloudy mornings with the possibility of light rains/drizzle over few places giving way to short sunny intervals. Occasional afternoon/evening light rains may be experienced over few places during the forecast period.

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience sunny intervals during the day and partly cloudy skies in the evening throughout the forecast period. However there is a possibility of afternoon showers occurring over few places on Sunday.

Southeastern Lowlands (counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta): are expected to experience mainly cool and cloudy mornings breaking into sunny intervals throughout the forecast period.

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): are expected to experience morning showers over few places on Tuesday, Thursday and Sunday. Sunny intervals will dominate the rest of 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

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

Rainfall coverage	
Term	Meaning
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