

**SEVEN DAY WEATHER REVIEW FOR 26TH
AUG - 1ST SEPT 2010 AND THE FORECAST
VALID 3RD - 9TH SEPT, 2010**

1. WEATHER HIGHLIGHTS

Review for the last seven-day period (26th Aug-1st Sept 2010):

- During the review period (26th Aug-1st Sept 2010), the western sector and the central highlands including Nairobi area continued to record wet weather conditions; and
- Both Maximum and Minimum temperatures slightly increased in some places and decreased in other areas during the review period.

Forecast for the next seven days (3rd-9th Sept 2010) indicates:

- Persistence of rainfall activities over the western half (Western Highlands, Northwestern areas, parts of Central Rift Valley, Central Highlands and Nairobi area) of the country during the forecast period. However, the rainfall intensities and coverage in space are expected to reduce significantly as the period progresses especially over the northwestern areas, the central highlands and Nairobi area.
- Low-key rainfall activities with dry conditions being experienced in the second half of the forecast period over the coastal strip;
- Cool and cloudy mornings with light rains/drizzles will continue in parts of central Rift Valley, Central highlands as well as Nairobi area especially in the first half of the forecast period; and
- Dry conditions elsewhere in the country.

2. WEATHER SUMMARY FOR THE PERIOD 26th Aug- 1st Sept 2010

a. Rainfall review

During the seven-day review period (26th Aug-1st Sept 2010), significant rainfall activities persisted over western Kenya, and parts of the central Rift valley. The central highlands, Nairobi area and in north western Kenya also recorded some light rainfall activities. Short-lived heavy rainfall events occurred over a number of areas in western Kenya especially on 28th August 2010. On that day, Eldoret Airport Meteorological recorded the highest 24 hour rainfall amount of 67.7mm. The same station had realized 35.2mm on 25th August 2010. The other Meteorological Stations that were lashed by heavy rainfall on 28th August were Eldoret

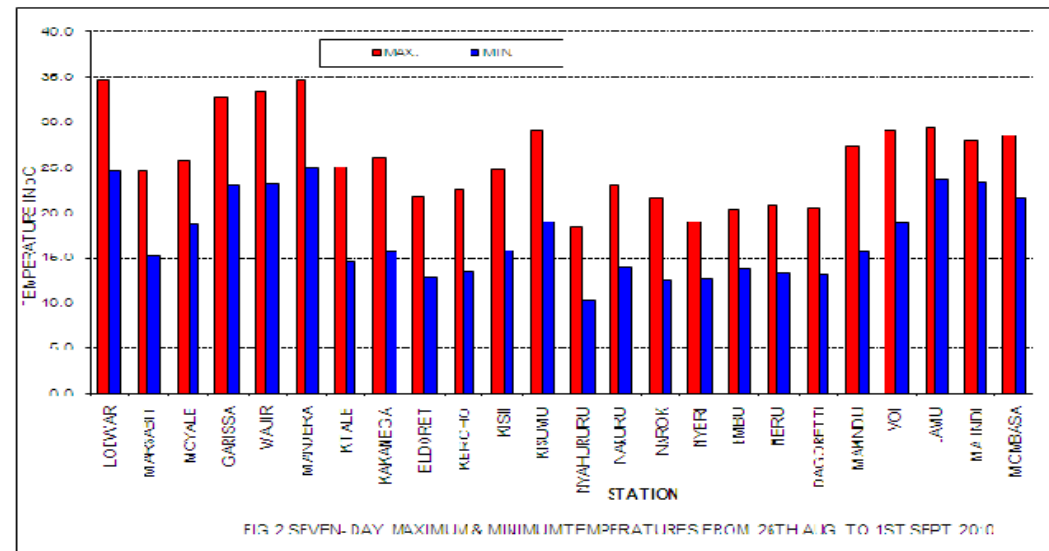
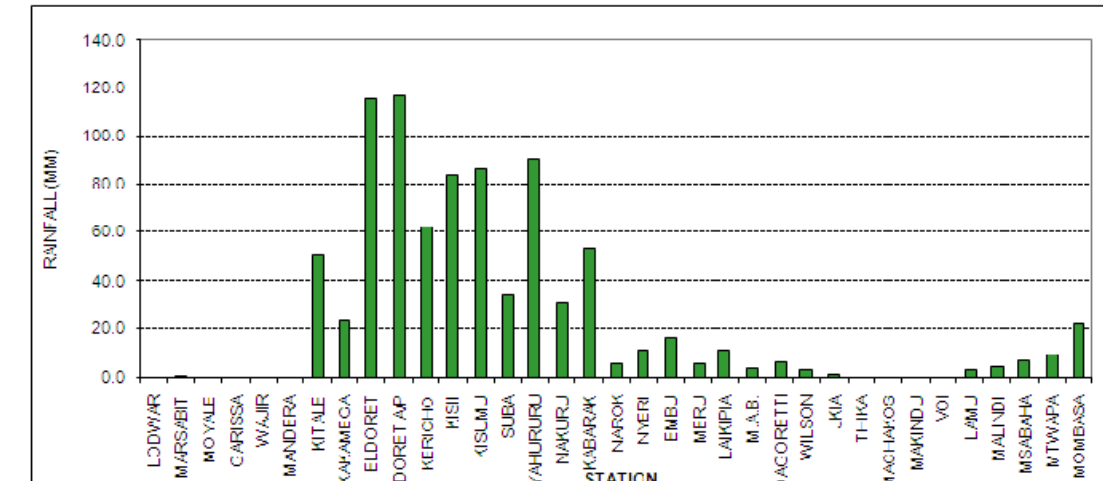


FIG 2 SEVEN-DAY MAXIMUM & MINIMUM TEMPERATURES FROM 26TH AUG TO 1ST SEPT 2010

Kapsoya with 37.7mm, Kericho with 39.4mm, Kisumu with 43.1mm and Kabarak with 44.7mm.

Eldoret Airport Meteorological Station had the highest seven-day rainfall total amount of 116.6mm. This was followed by Eldoret Meteorological Station (Kasoya), Nyahururu, Kisumu, Kisii, Kericho, Kabarak, Kitale, Suba, Nakuru and Kakamega Meteorological Stations recorded seven day rainfall totals of 115.2mm, 89.7mm, 86.2mm, 83.7mm, 62.1mm, 53.5mm,

50.2mm, 34.5mm, 31.4mm and 23.5mm respectively. All the other stations that experienced rainfall activities recorded less than 20.0mm or no rainfall at all as shown in figure 1 below.

b. Temperature

Both daytime (maximum) and nighttime (minimum) temperatures increased in some areas and decreased in other places across the country during the seven-day review period (26th Aug to 1st Sept). The changes in both temperatures were in response to

changes in cloud cover during the review period. Nyahururu Meteorological Station recorded the lowest minimum temperature of 8.2°C on 31st of August while Mandera Meteorological station recorded the highest maximum temperature of 36.0°C on the same date. The same stations recorded the lowest average minimum and the highest average maximum temperatures of 10.4°C and 34.6°C respectively. Lodwar Meteorological Station, just like Mandera, also recorded 34.6°C as the highest average maximum temperature as depicted in *figure 2 below*.

3: EXPECTED SYNOPTIC DEVELOPMENTS FROM 3RD TO 9TH SEPT 2010

It is expected that pressures will be;

- i. Moderately weak over the Southern Atlantic Ocean (St. Hellenia), strengthening in the second half of the forecast period.
- ii. Moderately weak over the Azores throughout the period.
- iii. Moderately weak over the Mediterranean region and weakening further as the period progresses.
- iv. Moderate over the South West Indian Ocean (Mascarene), weakening slightly towards the end of the forecast period.
- v. Moderate over the Mozambique Channel weakening slightly and then strengthening at the end of the forecast period.
- vi. Generally weak over the Arabian region throughout the period.

The medium level wind regime is expected to be generally south-easterly and the upper level to be predominantly easterly.

The above synoptic developments indicate:

- Persistence of rainfall activities over the western half (Western Highlands, Northwestern areas, parts of Central Rift Valley, Central Highlands and Nairobi area) of the country during the forecast period. However, the rainfall intensities and coverage in space are expected to reduce significantly as the period progresses especially over the northwestern areas, the central highlands and Nairobi area.
- Low-key rainfall activities with dry conditions being experienced in the second half of the forecast period over the coastal strip;

- Cool and cloudy mornings with light rains/drizzles will continue in parts of central Rift Valley, Central highlands as well as Nairobi area especially in the first half of the forecast period; and
- Dry conditions elsewhere in the country.

4: FORECAST FOR THE NEXT SEVEN DAYS FROM 3RD - 9TH SEPT, 2010

The Lake Victoria Basin, Highlands west of the Rift Valley and Central Rift Valley (Kitale, Kakamega, Kisumu, Kisii, Kericho, Eldoret, Nakuru, Narok, Nyahururu, etc) will experience afternoon/night showers and thunderstorms over several places for much of the forecast period.

The Northwestern districts (Lodwar, Lokitaung, Lokichoggio, etc), will experience mainly sunny intervals with light showers over few places mainly confined to the border with Uganda.

The Central highlands including Nairobi area (Nveri, Meru, Dagoretti, Embu, etc) will experience cool and cloudy conditions in the morning with light rains/drizzles and afternoon / night showers over few places especially in the first half of the forecast period.

The Northeastern districts (Marsabit, Movale, Mandera, Wajir, Garissa etc), will experience mainly sunny intervals throughout the forecast period. Light rains may be experienced in the some localized areas at the beginning of the forecast period.

Southeastern lowlands (Voi, Makindu, Machakos etc), will experience cool and cloudy early mornings breaking into sunny intervals in the afternoons in the first half of the forecast period. Light rains / showers may be experienced in the morning over few places at the beginning of the forecast period.

The Coastal strip (Mombasa, Kilifi, Malindi, Lamu etc) will experience light morning showers over few places in the first half of the forecast period only. Dry conditions will be predominant in the second half of the period

Kenya Meteorological Department (KMD)

KNOW YOUR WEATHER!



Seven-day Forecast for 3rd – 9th September 2010



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