



KMD

# AGROMETEOROLOGICAL BULLETIN

## KENYA METEOROLOGICAL DEPARTMENT

**Dekad 02; 11- 20 January, 2010**

**Issue No. 02/2010, Season: DJF**

### HIGHLIGHTS

- During the 2nd dekad, low amount of rainfall was received over the Western, Nyanza, and parts of Central Rift Valley with Kitale , Kisii , Kisumu and Kakamega recording 4.2,3.9,1.8 and 1.4 mm respectively. The Coastal region experienced nil rainfall except Voi which reported 0.5mm. Most parts of Central Province experienced nil rainfall except Nyeri and Mwea which reported 7.2mm and 2.0mm respectively. Nairobi area and its environs experienced nil rainfall. Eastern region experienced insignificant rainfall with Makindu and Katumani reporting 0.3mm and 0.2mm respectively. North eastern region never experienced rainfall during the dekad except Moyale which reported 1.1mm. (Fig 1&2.)
- Day time temperatures significantly increased over Western, Central Rift Valley, Central Province, Nairobi area and its environs and the Coastal region with Mandera, Garissa, Wajir and Lodwar reported dekadal mean of 36.1,36.0,35.7 and 35.6 °C respectively. (Fig 2&3).
- Night temperatures relatively decreased over Western and Central Rift Valley, Central Highlands, Nairobi area and its environs during the dekad with Nyahururu, Kabarak, Narok, Kericho and Kitale recording dekadal mean minimums of 7.9,10.2,10.5,10.9 and 11.4 °C respectively. (Figs 1-4).



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## OTHER REVIEW FOR DEKAD 02; 11 – 20 JANUARY 2010

er were experienced (Fig 1-4) which was favourable for Maize harvesting in places like Nyahururu. In Nyeri, different varieties of maize are at different growth stages. Some are in flowering stage, while others are in ripeness stage.

### Eastern Province:

Sunny conditions were experienced throughout the dekad. In Machakos, maize is in the ripening stage, while in Meru and Embu are in flowering stage.

### Coast Province:

Coast province reported dry weather throughout the dekad (Fig 1-4). In Lamu crops are withering due to lack of rainfall. Baboons are also destroying cashewnuts in the fields.

### North Eastern Province:

Sunny conditions continued being experienced in the region (Mandera, Moyale, Wajir and Garissa) during the dekad (Fig 1-4).

### Western Province:

Low rainfall was experienced over several places in this region during the dekad. Farmers are preparing their farms in readiness for the long rains growing season expected to start in March.

### Nyanza and Central Rift Valley:

Low rainfall was experienced over most places in this region (Fig 1-4). In some farms, maize crop is still being harvested, while in most farms, land preparation is going on in readiness for the next growing season.

### Northern and Southern Rift Valley:

Northwestern Rift Valley (Lodwar, Lokitaung) experienced dry conditions during the dekad (Fig 1-4). The pastoral regions of Southern Rift Valley (Narok, Kajiado, Mara) experienced dry weather.

### Dekad 2\_2010 Rainfall graph

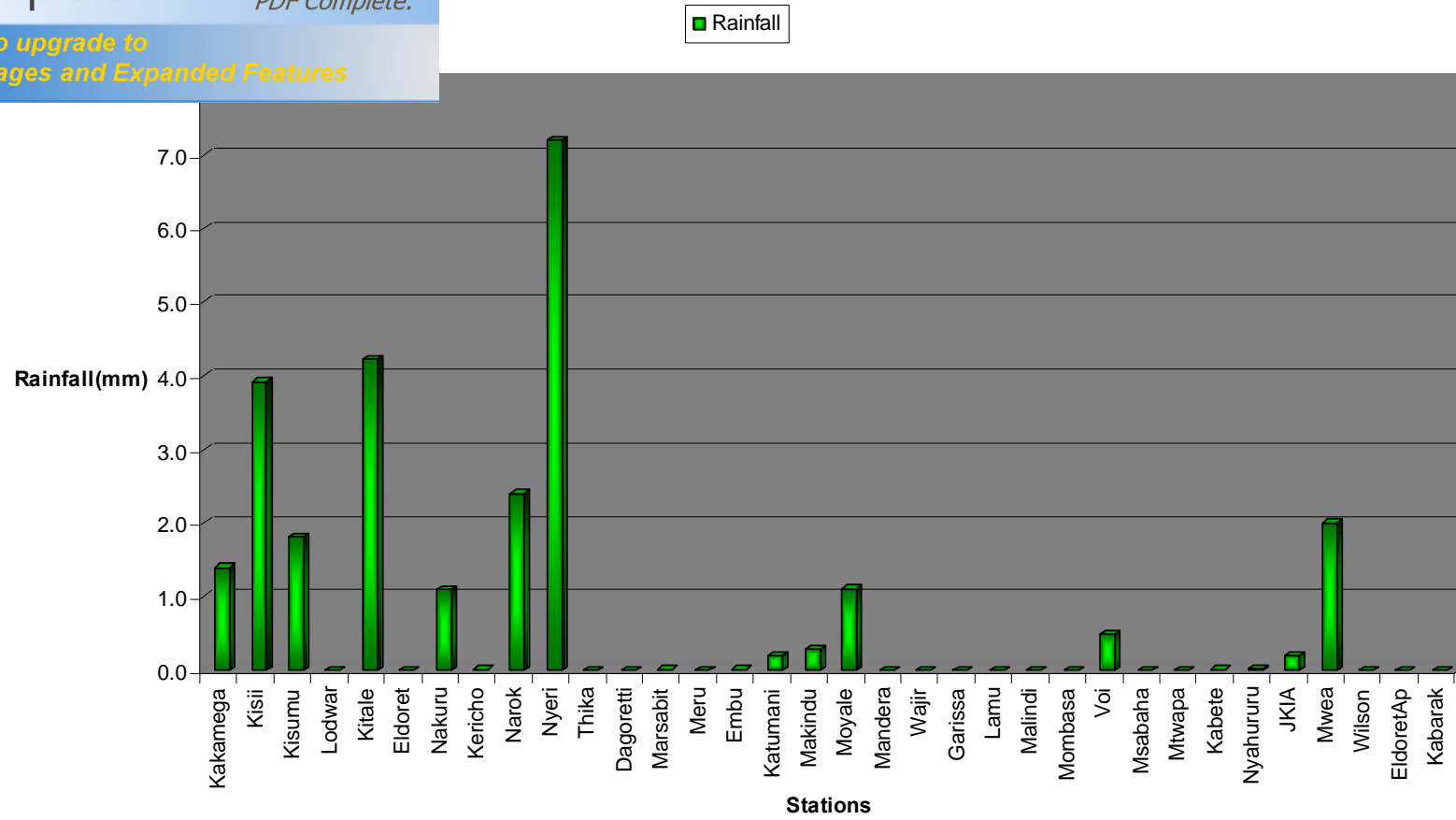


Fig. 1: Dekad 02, 2010; Actual Rainfall

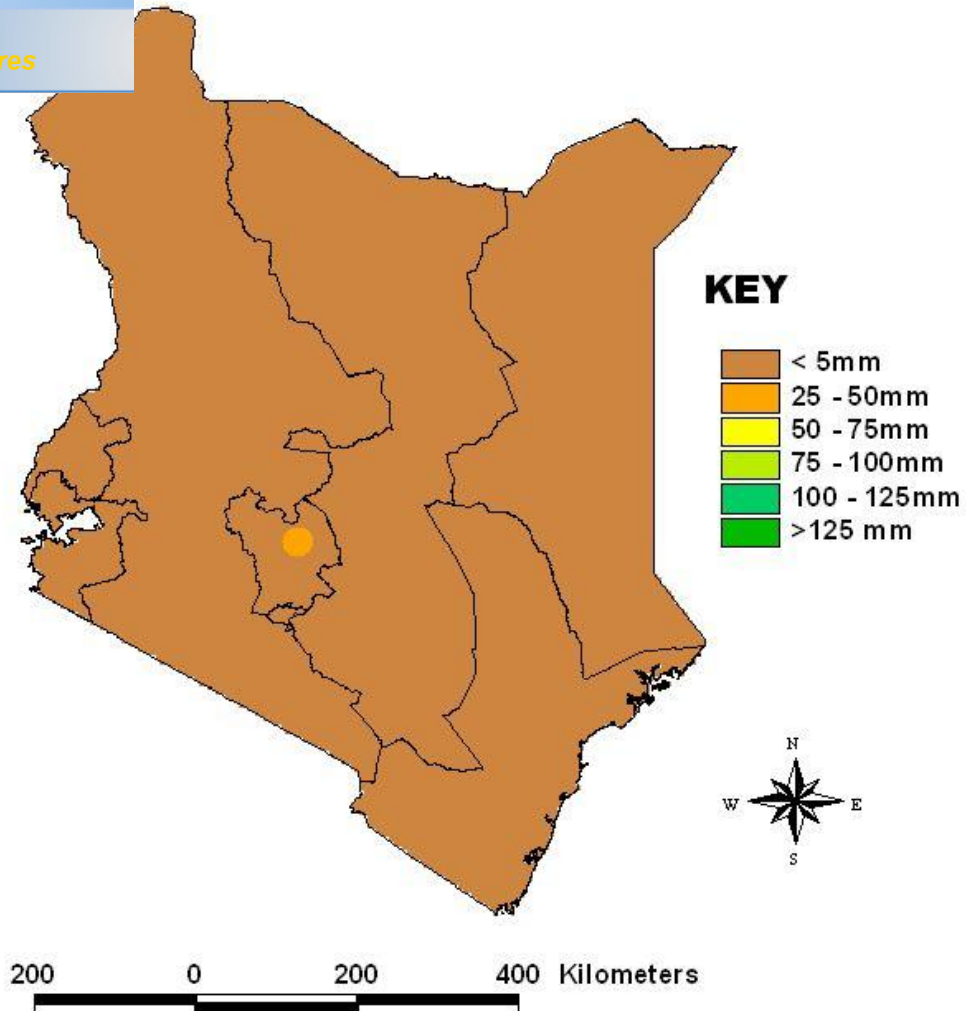


Fig. 2: Dekad 02, 2010; Rainfall distribution.

Dekad 2\_2010 Temperature graph

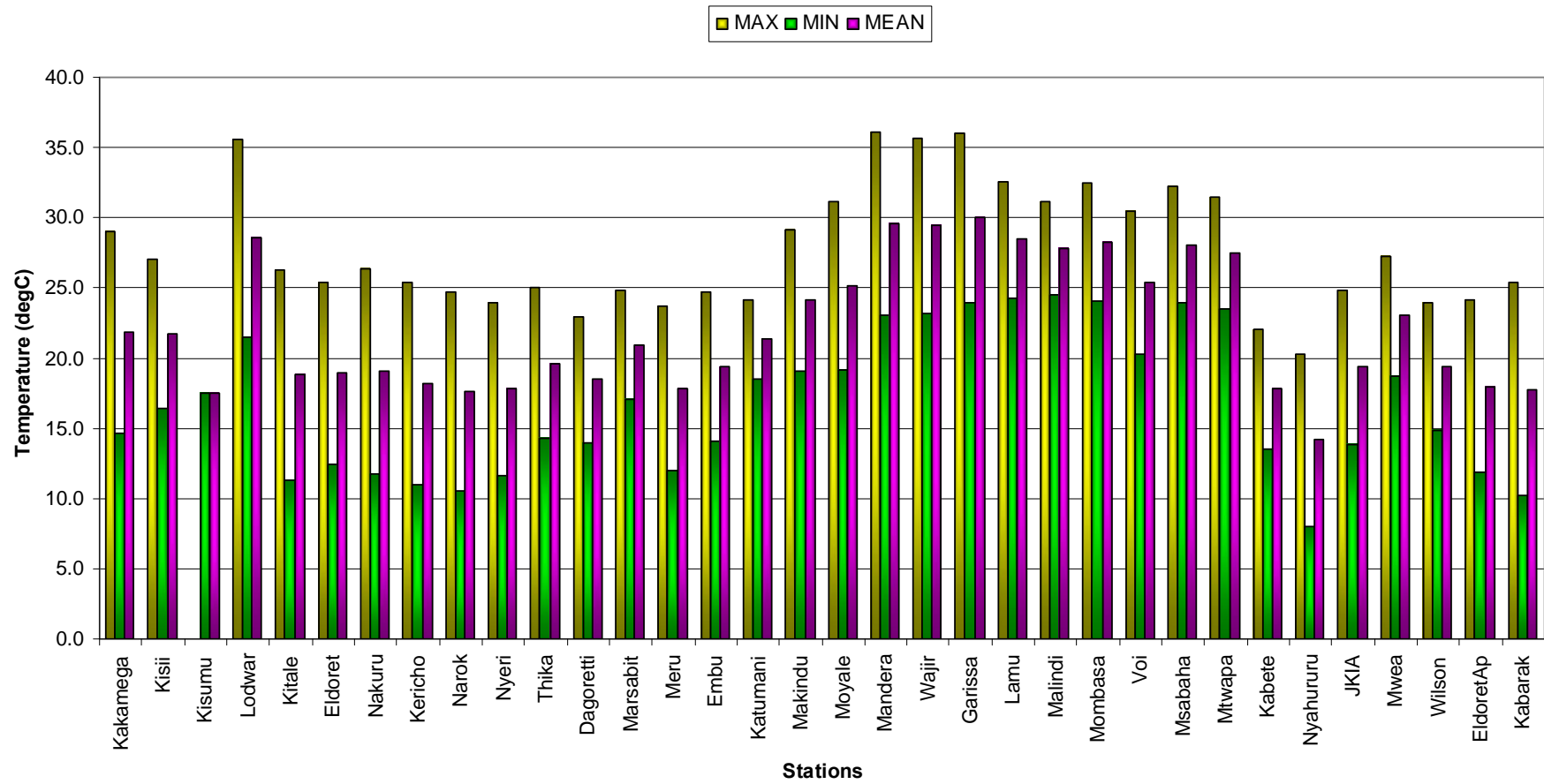


Fig 3: Dekad 02, 2010; Mean Temperature (deg. Celsius)

# TEMPERATURE DISTRIBUTION, DEKAD 2, 2010

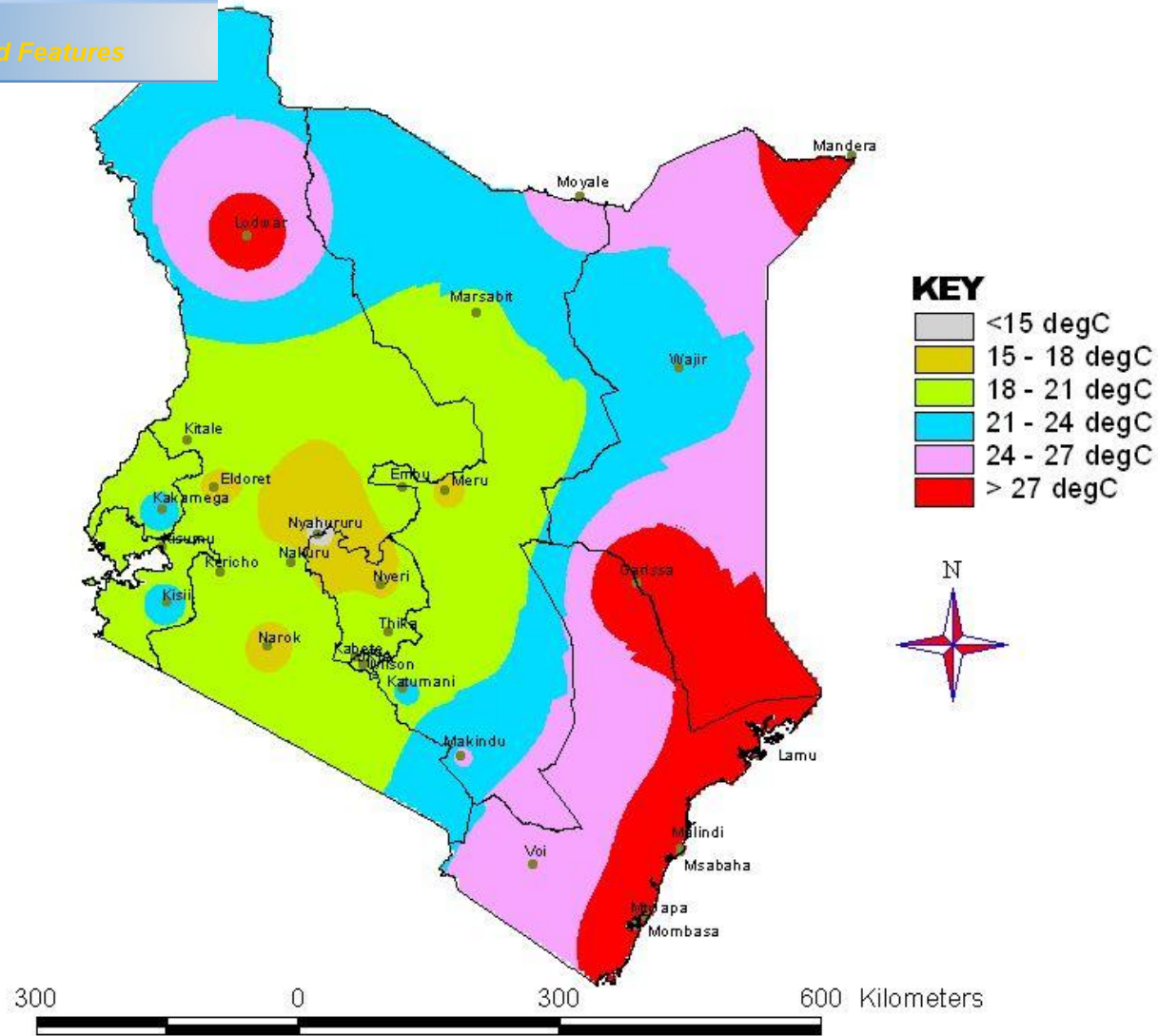


Fig. 4: Dekad 02, 2010; Mean Temperature Distribution



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## CONDITIONS DURING THE NEXT 10 DAYS (11 –20 JANUARY, 2010)

ons are expected to continue experiencing reduced rainfall activities. Farmers are

pected to continue experiencing low rainfall over the next 10 days. Land

- + Central Highlands, Nairobi area and its environs, reduced rainfall activities are expected during the next dekad. This will continue to benefit maize harvesting.
- + Eastern Province districts and its environs are expected to experience reduced rainfall activities. Maize crop is expected to continue doing well while harvesting of beans is over.
- + The Coastal region is expected to be generally sunny. This will continue to impact negatively in crop performance.

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