



KMD

AGROMETEOROLOGICAL BULLETIN

KENYA METEOROLOGICAL DEPARTMENT

Dekad 01; 01- 10 January, 2010

Issue No. 01/2010, Season: DJF

HIGHLIGHTS

- During the 1st dekad , moderate to heavy rainfall was received over the Western, Eastern, Nyanza, and parts of Central Rift Valley with Kakamega, Kisii, Kisumu, Kericho, Kitale, Eldoret, and Nakuru recording 35.6, 20.1, 75.3,35.4,41.1 ,68.3 and 14.6mm respectively. The Coastal region experienced insignificant rainfall with Mombasa, Mtwapa,and msabaha, recording dekad rainfall totals of 16.2, 7.7, and 7.4 mm respectively. Central Province, experienced moderate to heavy rains with Nyahururu, Nyeri and Thika recording dekad rainfall totals of 87.8, 35.4 and 138.3 mm respectively. Nairobi area and its environs experienced heavy rains with Kabete, Dagoretti, Wilson and J.K.I.A recording 143.5, 76.1, 73.5 68.7 mm respectively. Eastern region experienced moderate to heavy rainfall with Meru , Embu, Marsabit and Machakos recording 110.9, 18.6, 44.7 and 56.9mm respectively. North eastern region never experienced rainfall during the dekad. (Fig 1&2.)
- Day time temperatures relatively decreased due to increased cloud cover over Western, Central Rift Valley, Central Province, Nairobi area and its environs and the Coastal region with Kakamega, Kisii, Nakuru, Eldoret, Mwea, Nyeri, Meru, Embu, Thika, Dagoretti, Moyale, Makindu and Mombasa recording a Dekadal Mean day Maximum of 24.3, 24.6, 24.1, 22.7, 27.8, 24.4, 25.0, 24.9, 25.9, 24.3, 30.9, 31.4and 31.8 deg. Celsius respectively. (Fig 2&3).
- Night temperatures relatively increased over Western and Central Rift Valley, Central Highlands, Nairobi area and its environs during the dekad with Nyahururu, Narok, Eldoret Airport, Nakuru, Nyeri, Embu, Thika, Kabete and Dagoretti recording dekadal mean minimums of 10.9, 13.8, 11.9, 14.4, 14.1, 15.7, 16.1, 15.2 and 15.6 deg Celsius respectively. (Figs 1-4).

WEATHER REVIEW FOR DEKAD 01; 01 – 10 JANUARY 2010

Central Province and Nairobi Area:

During the dekad, cool and cloudy mornings with moderate to heavy rainfall continued to be observed over high ground areas in Central and Nairobi provinces. Beans and maize crops continued doing well in Nyeri, Thika and Kabete areas. Continuous rainfall coupled with wet conditions in Nyahururu is hampering the harvesting of maize. (Fig 1-5).

Eastern Province:

Cool and cloudy mornings with moderate to heavy rainfall over high ground areas, were experienced over several places bordering Mt. Kenya (Embu, Runyenjes, Chogoria, Chuka and Meru) during the Dekad. In central areas of the eastern province crops are doing very well although excessive rainfall is destroying some crops in meru while in south-eastern beans are being harvested in machakos while in makindu they are in flowering stage.

Coast Province:

Minimal amount of rainfall was reported in mombasa, msabaha and Mtwapa. In Lamu crops are withering due to lack of rainfall. Baboons are also destroying beans and cashewnuts in the fields. (Figs.1-5).

North Eastern Province:

Sunny conditions were experienced in the region (Mandera, Moyale, Wajir and Garissa) during the dekad. (Figs.1-5).

Western Province:

Moderate rainfall was experienced over several places in this region during the Dekad. There are no much activities on the farms as farmers are waiting for the next planting season.

Nyanza and Central Rift Valley:

Moderate rainfall was experienced over most places in this region (Kisumu, Nyamira, Kisii, Eldoret, Kitale, Kericho) during the Dekad. Harvesting of beans is complete in the region while in Kisumu maize harvesting is in progress. (Figs.1-5).

Itaung) experienced wet conditions during the Dekad. The pastoral regions of Southern experienced heavy rainfall .(Figs.1-5).

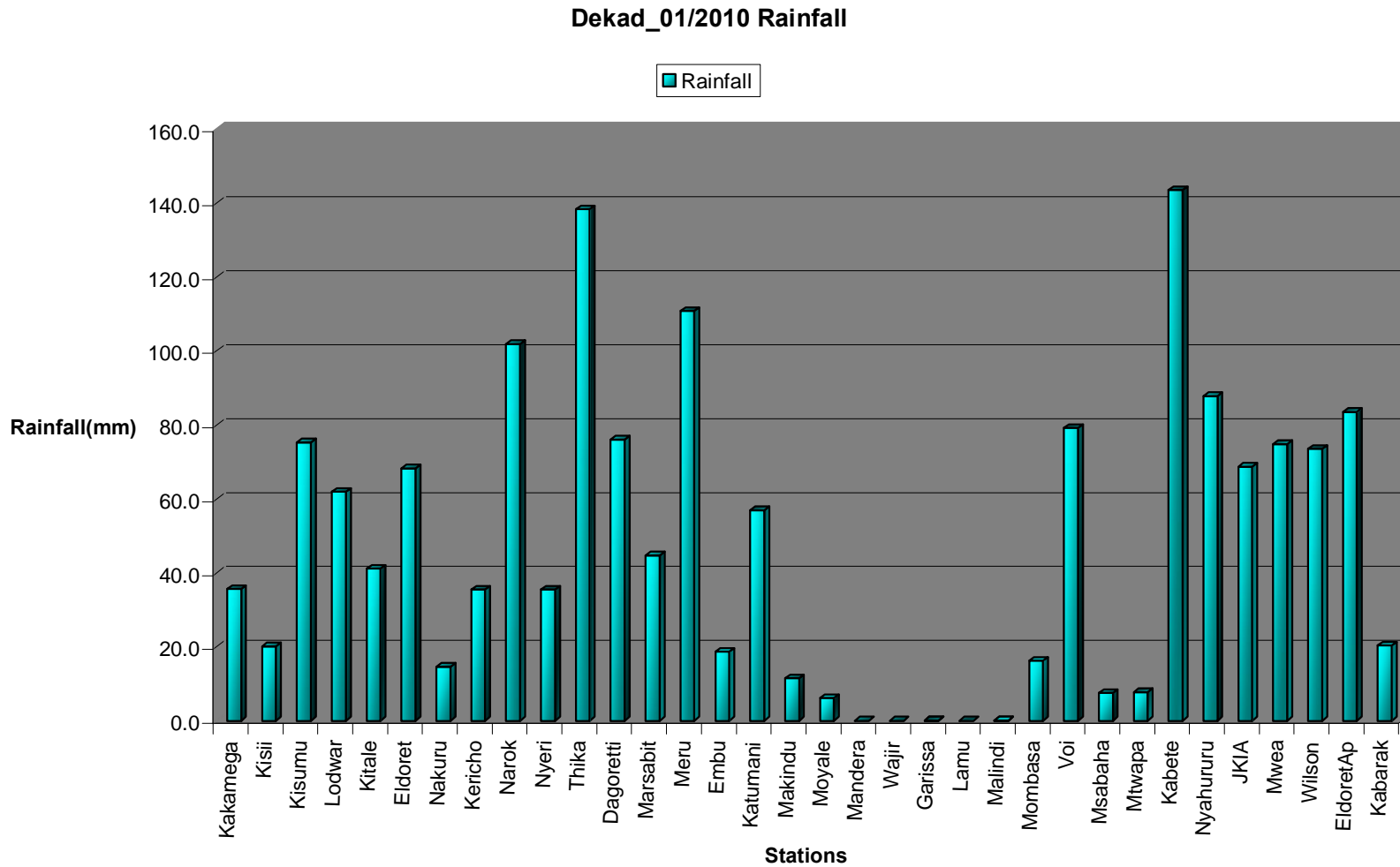


Fig. 1: Dekad 01, 2010; Actual Rainfall

DEKAD_01/2010 TEMPERATURES

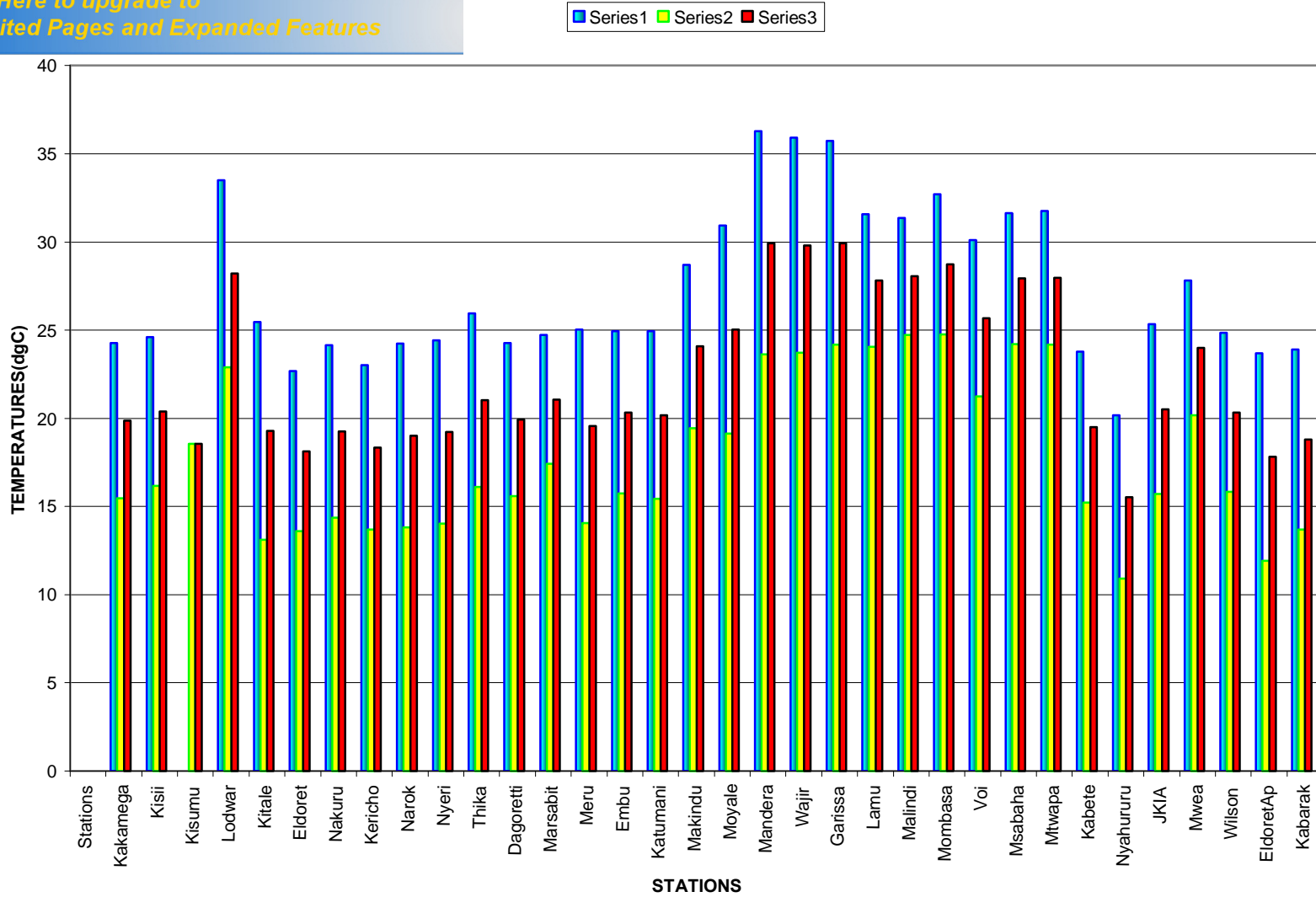


Fig 3: Dekad 01, 2010; Mean Temperature (deg. Celsius)

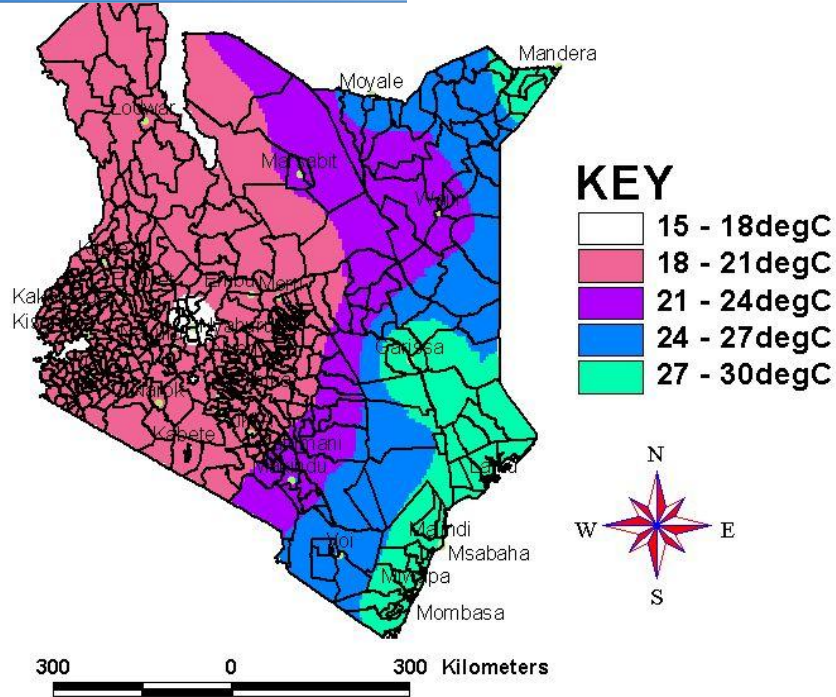


Fig. 4: Dekad 01, 2010; Mean Temperature Distribution

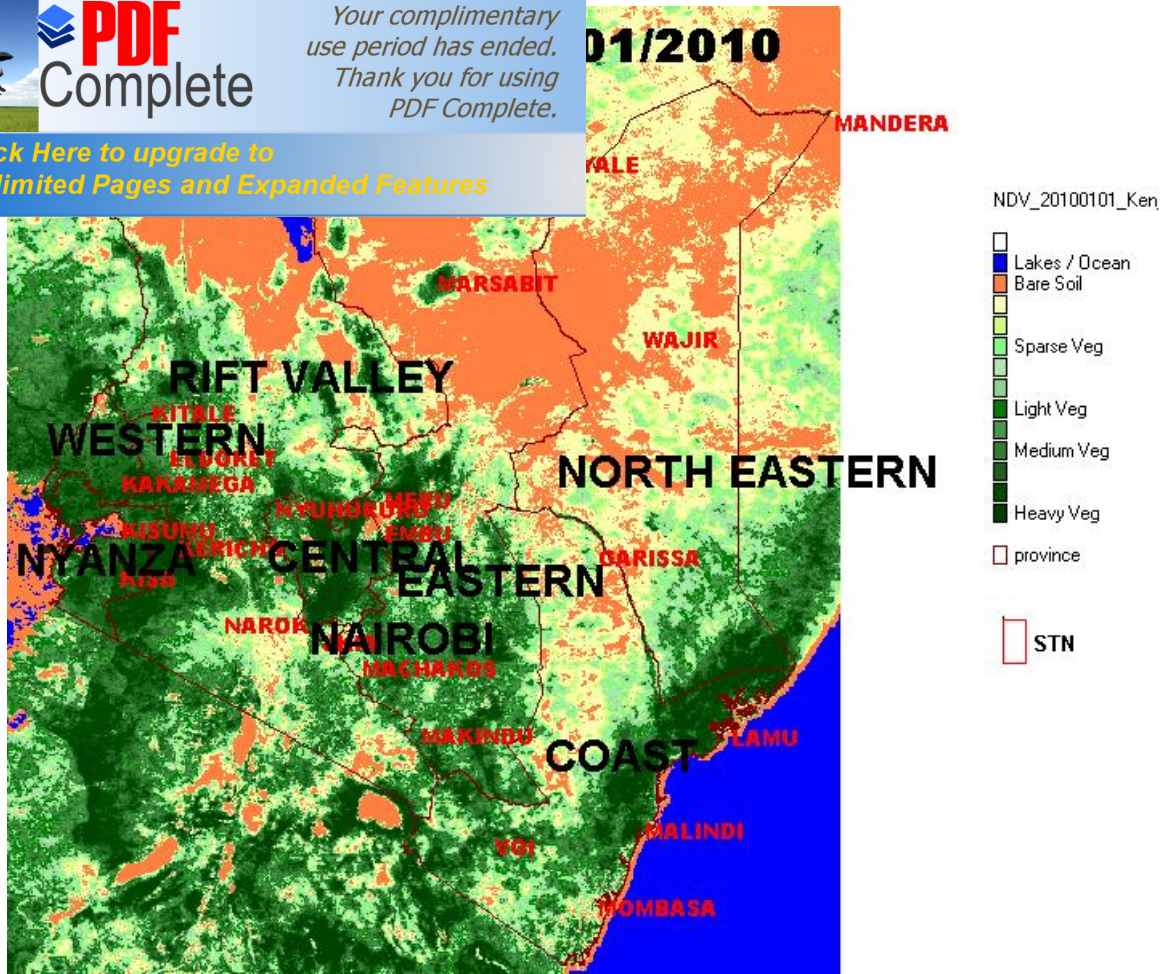


Fig 5: Dekad 01, 2010; Normalized Difference Vegetation Index (NDVI)



Your complimentary
use period has ended.
Thank you for using
PDF Complete.

[Click Here to upgrade to
Unlimited Pages and Expanded Features](#)

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

ions are expected to experience reduced rainfall activities. No expected weather
sted.

ected to experience low rainfall over the next 10 days. Harvesting of maize is

environs, reduced rainfall activities are expected during the next dekad. This will
harvesting in Nyahururu and Thika.

- ✚ Eastern Province districts and its environs are expected to experience reduced rainfall activities. Crops are expected to continue doing well in central areas of the province. Harvesting of beans is expected to continue in Machakos.
- ✚ The Coastal region rainfall activities are expected to reduce in several places. This will impact negatively in crop performance.

For more advisories and guidance, Contact:

Director,
Kenya Meteorological Department,
Agrometeorological Services Division,
Dagoretti Corner, Ngong Road,
P.O. Box 30259, 00100 GPO, Nairobi
Tel: +254 (0)20 3867880-7/3876957/3873682
Fax: +254 (0)20 3876955
E-mail: agromet@meteo.go.ke
Website: www.meteo.go.ke

©2010 The Kenya Meteorological Department