

**Highlights:**

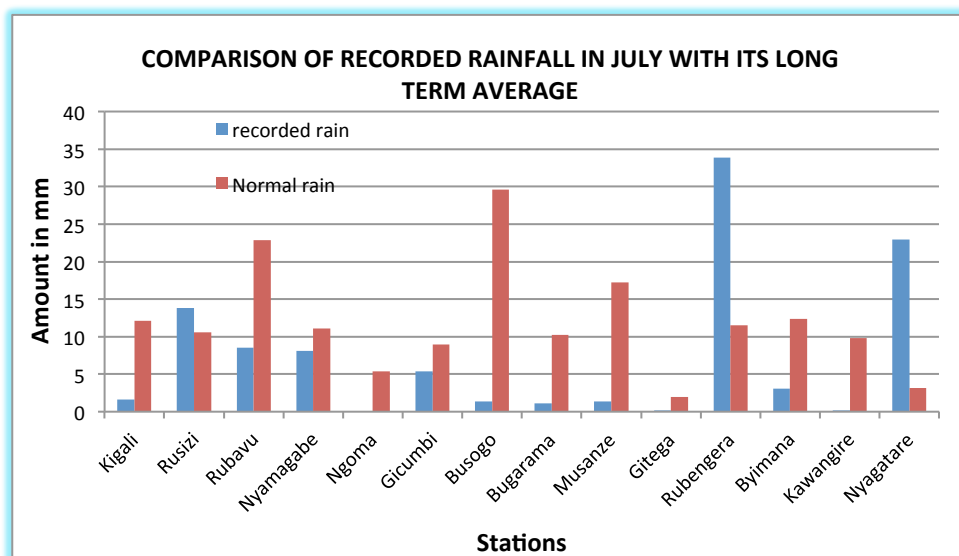
- Cumulative rainfall for July 2016 was slightly increased and above normal in Nyagatare, Karongi Districts and surroundings and near normal in remaining parts.
- Soil moisture index and vegetation cover still very low with a slight improvement in 3rd Dekad in central parts of the country as shown by satellite images
- In the first dekad of August 2016 (1-10), sunny conditions will persist in many parts of the country. Mostly clouds are expected in North Western part of Rwanda from 6th August to 8th August.

I. Summary

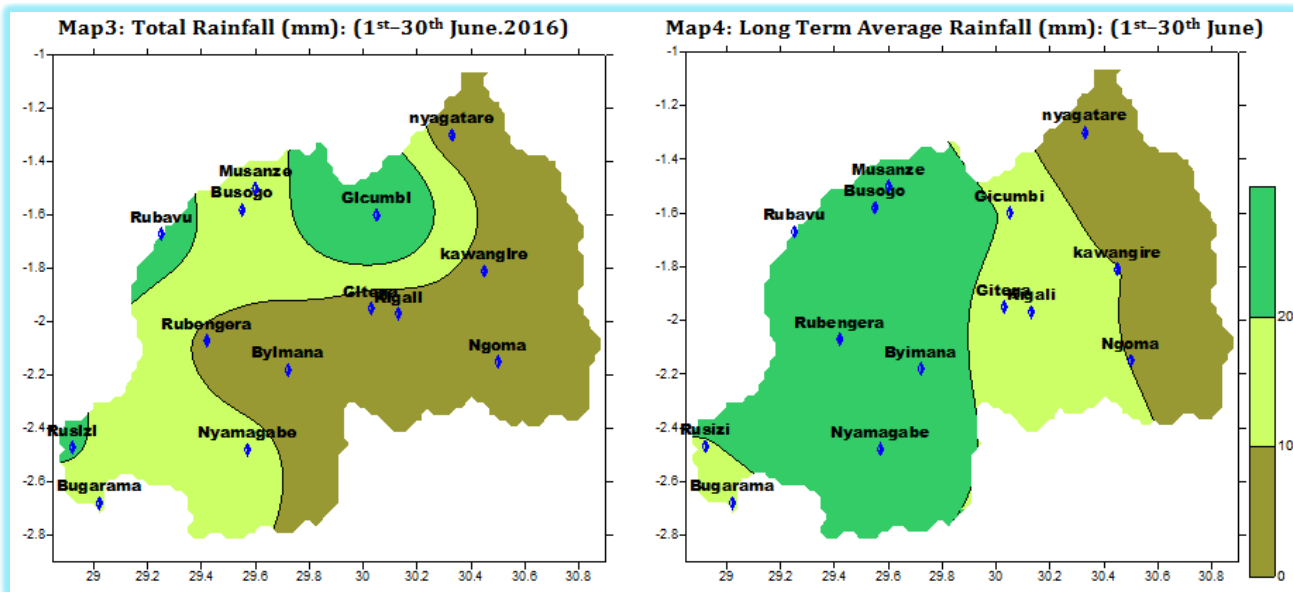
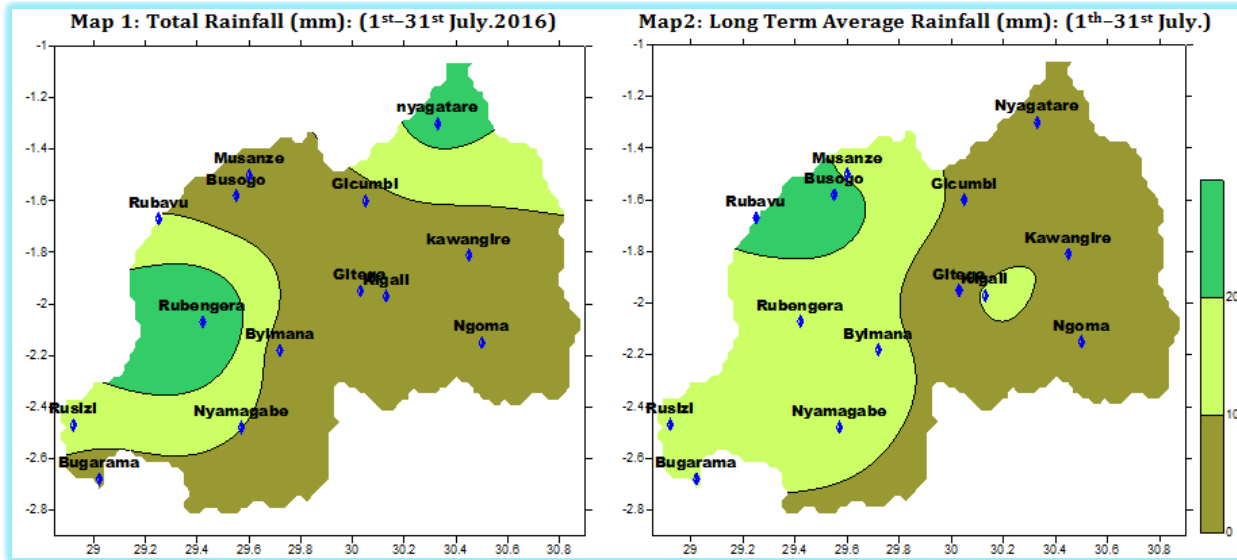
The overall situation for the month of July 2016 was marked by slightly increased rains in Nyagatare and Karongi districts where they recorded 23mm and 33.9 mm respectively. For the remaining Districts, light rainfall (under 10mm) was recorded. These rains were recorded in third dekad of July 2016 between 23rd and 26th which reflects the normal conditions of this month. Compared to previous month there is much changes about rainfall recorded but temperatures has increased.

Table 1: Cumulative rainfall (in mm) recorded at stations during July 2016 and it's normal.

Stations	Recorded rain	Normal rain
Kigali	1.6	12.1
Rusizi	13.8	10.6
Rubavu	8.5	22.9
Nyamagabe	8.1	11.1
Ngoma	0	5.4
Gicumbi	5.4	9
Busogo	1.4	29.6
Bugarama	1.1	10.2
Musanze	1.4	17.2
Gitega	0.2	2
Rubengera	33.9	11.5
Byimana	3.1	12.4
Kawangire	0.2	9.8
Nyagatare	23	3.2



Rainfall analysis: Maps below show the rainfall recorded within the period mentioned and their Anomalies



II. Detailed observed Rainfall during the month of July 2016.

a) Eastern Province

Eastern Province recorded less and normal rain of the month of July only Nyagatare and Gatsibo District recorded increased rain which was slightly above normal (**Map.1&2 and Table 1**). Compared to the previous month (June 2016), there are no much changes in many parts of the country (**Map.1&3**).

b) Northern Province

Most parts of Northern Province recorded less and slightly below long term average rains of the month as shown on the map above (**Map1&2 and table 1**). Compared to the previous month, a decrease of rain was observed in the entire Province as shown above (**Map.1&3**).

c) Southern Province

Southern Province recorded light and normal rain of the month of July which was observed around the forest (**Map.1&2 and Table 1**). Compared to the previous month (June 2016), there is no significant change in recorded rain in the entire Province (**Map.1&3**).

d) Western Province

Western Province recorded light rains associated with thunder which was normal for the period mentioned. Karongi District recorded the high amount of the month which was 33.9 mm (**Map1&2 and table 1**). Compared to the previous dekad, there is relatively no change in many parts of the Province (**Map.1&3**).

e) Kigali Region

Less and normal rainfall was observed in Kigali region for the month of July 2016 as shown by Kanombe and Gitega stations (**Map1&2 and table 1**). Compared to previous dekad, no significant change observed in Kigali (**Ma1&3**).

III. Weather impact on Agriculture.

Satellite images: Moisture Index (MI), Source: Few's net



During July 2016 dekad 3, the state of soil and vegetation cover still dry but there is a slight improvement in 3rd dekad. This improvement resulted from light rain observed in third dekad of July which reduced dust in the sky. In most parts of the country, this month was dry with increased temperatures. Across the country field are under preparation activities for growing season. This coming next ten days (1st to 10th July), we are expecting the increased dry conditions with mostly sunny intervals. Mostly cloudy are expected mainly during the second half of the dekad in North Western Part of the country. Farmers applying growing season C across the country are advised to continue the irrigation, mulching and other applications that can conserve the soil moisture as there is no rainfall expected. Other farmers across the country are advised to continue their normal agriculture activities regarding the preparation of land for next growing season.

IV. Rainfall Outlook for the first dekad of August 2016

In the first dekad of August 2016 (1-10) we expect to have increased dry and sunny conditions across the country. Mostly cloudy conditions in some parts of the country are expected in the second half of the dekad which are expected to increase in North Western part. Below is the detailed forecast.

Kigali City: We are expecting dry conditions from the start to the end of the dekad. Morning partly clouds are expected and sunny intervals in the afternoon during the whole dekad. Dry weather activities will continue to increase as the ending dekad.

Eastern Region: We are expecting dry conditions from the start to the end of the dekad. Morning partly cloudy and afternoon sunny conditions are expected. Dry weather activities will be increased compare to July 2016 dekad 3.

Western Region: We are mainly expecting partly cloudy conditions from the start to the 6th July 2016 and mostly cloudy conditions from 7th to 9th July 2016 especially in North Western parts. Rainfall activities will continue to decrease compared to previous last dekad of July.

Northern region: We are mainly expecting partly cloudy conditions from the start to the 6th July 2016 and mostly cloudy conditions from 7th to 9th July 2016 especially in North Western parts. Rainfall activities will continue to be low compared to previous dekad.

Southern Region: We are expecting dry conditions from the start to the end of the dekad. Morning partly clouds are expected and partly cloudy to sunny intervals in the afternoon during the whole dekad. Dry weather activities will continue to dominate the dekad.

N.B: This forecast should be used in conjunction with the daily (24-hour), Three (3) and Five (5) days Forecast issued by the forecasting Division.