



This project is funded by
The European Union and



Satellite and Weather Information for Disaster Resilience in
Africa



ClimDev-Africa



A project led & implemented by the
African Center of Meteorological
Applications for Development

Weekly Rainfall Outlook # 069

Issued on July 09, 2019

Validity: July 09, 2019 to July 22, 2019

FORECAST MAPS

Week1 rainfall [mm] period: 20190709–20190715

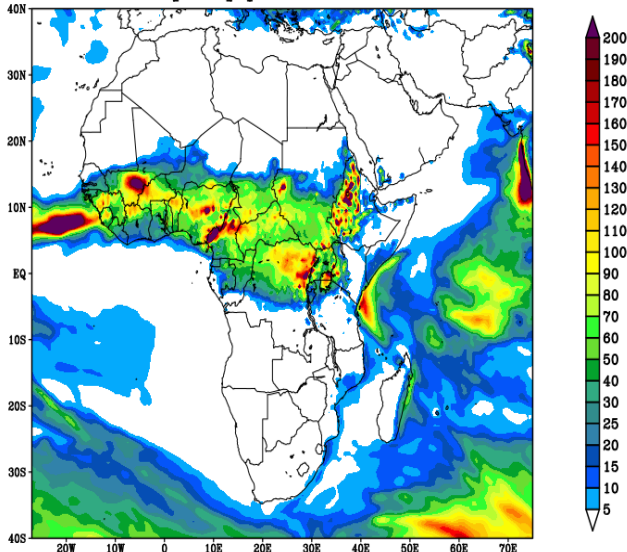


Figure 1: Total accumulated precipitation for week 1
(Source of data is GFS ensemble model)

Week2 rainfall [mm] period: 20190716–20190722

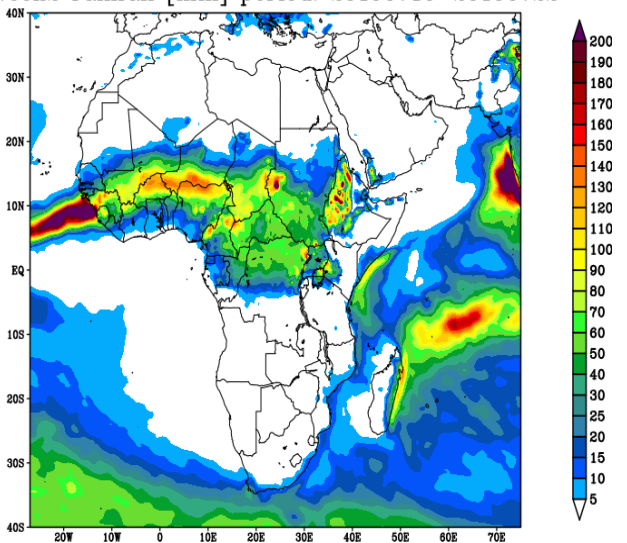


Figure 2: Total accumulated precipitation for week 2
(Source of data is GFS ensemble model)

Forecast Summary Week 1:

In the next seven (7) days, there are prospects of **heavy rainfall (i.e. 7 days accumulated rainfall between 100mm to 150mm)** over southern Mali, western Burkina Faso, Nigeria, western Cameroon, western Ethiopia, western Sudan, Eritrea and environs. **Light to moderate rainfall** is anticipated over Guinea Conakry, Sierra Leone, Liberia, eastern Senegal, South Sudan, The Gambia, Guinea Bissau, Ivory Coast, Ghana, Togo, Benin, southern Chad, CAR, Sao Tome & Principe, northern DR Congo, northern Congo, Uganda, Lake Victoria, coasts of Tanzania and Kenya, Seychelles, Comoros, eastern Niger, eastern coast of Madagascar in the next seven (7) days.

Meteorological Situation:

Strong diverging winds at 850hPa are expected over Somalia, most parts of Kenya and Tanzania while lower level convergence is anticipated to prevail over the Gulf of Guinea, Ethiopia, Eritrea, South Sudan, Sudan, Uganda, Lake Victoria and western part of central Africa countries. The MJO is expected to weaken and be over western part of the continent and southern Algeria while the Kelvin wave is expected to be over eastern part of central Africa and western flank of east Africa. Hence, rainfall intensity is expected generally to be enhanced over the region. Northern Africa is expected to be dominated by dry continental winds. Hence, there are reduced chances of precipitation over Morocco, Algeria, Tunisia, Libya and environs.

Forecast Summary Week 2:

During the following week (i.e. week 2), there are prospects of **moderate to heavy rainfall** over coasts of Guinea Bissau, Guinea Conakry, Sierra Leone, eastern Mali, southern and eastern Niger, eastern Chad, western Sudan, southern Mali, northern Ivory Coast, northern Nigeria, eastern Cameroon, western Ethiopia, Seychelles, eastern coast of Madagascar, western Congo, northeastern DR Congo and environs. **Light to moderate rainfall** is anticipated over eastern Senegal, Gambia, Liberia, Ghana, Togo, Benin, South Sudan, Uganda, Lake Victoria, Sao Tome & Principe and Cape Verde during the forecast period.

Meteorological Situation:

The lower level wind convergences over the continent are expected to enhance precipitation over Gulf of Guinea, western and central Africa, western Ethiopia, western Sudan and environs. MJO is expected to be over African countries north of the equator as it moves eastward while the Rossby wave is expected to be over West Africa and western Cameroon. Strong velocity potential anomaly expected over the coasts of Guinea Bissau, Guinea Conakry and Sierra Leone together with strong easterly winds is expected to bring in more moisture to enhance rainfall over the regions during the forecast period.