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Satellite and Weather Information for Disaster Resilience in
Africa



ClimDev-Africa



A project led & implemented by the
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Applications for Development

Weekly Rainfall Outlook # 065

Issued on May 28, 2019

Validity: May 28, 2019 to June 10, 2019

FORECAST MAP

Week1 rainfall [mm] period: 20190528-20190603

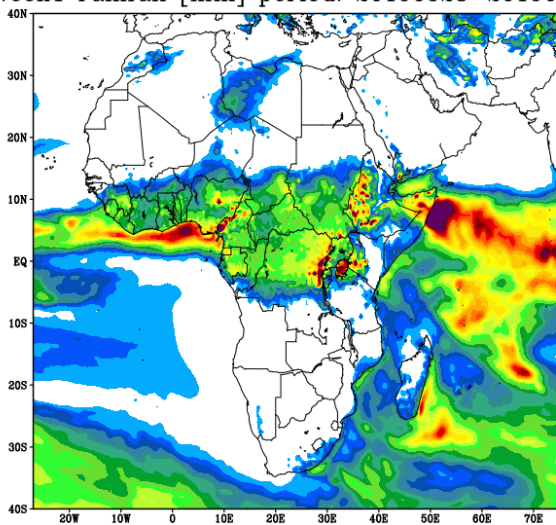


Figure 1: Total accumulated precipitation for week 1
(Source of data is GFS ensemble model)

Forecast Summary Week 1:

In the next seven (7) days, there are prospects of **heavy rainfall (i.e. 7 days accumulated rainfall of above 150mm)** over southwestern Cameroon, northcentral and southern Nigeria, southwestern Cameroon, Gabon, eastern DR Congo, Lake Victoria basin, western Ethiopia, Sao Tome, Principe and northern Somalia. **Light to moderate rainfall** is anticipated over northern Morocco, western Libya, southern Guinea Conakry, Sierra Leone, Liberia, Cote D'Ivoire, southern Mali, Burkina Faso, Ghana, Togo, Benin, southern Niger, southern Chad, Gabon, C.A.R., Congo, Uganda, Burundi, Reunion, Mauritius, Rwanda and southern Madagascar in the next seven (7) days.

Meteorological Situation:

The MJO is expected to remain active over Africa and is expected to move eastward. This together with the Kelvin wave, strong velocity potential anomaly and anomalous lower level wind convergences are anticipated to enhance precipitation over eastern flank of the continent and Gulf of Guinea during the week.

Week2 rainfall [mm] period: 20190604-20190610

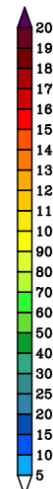
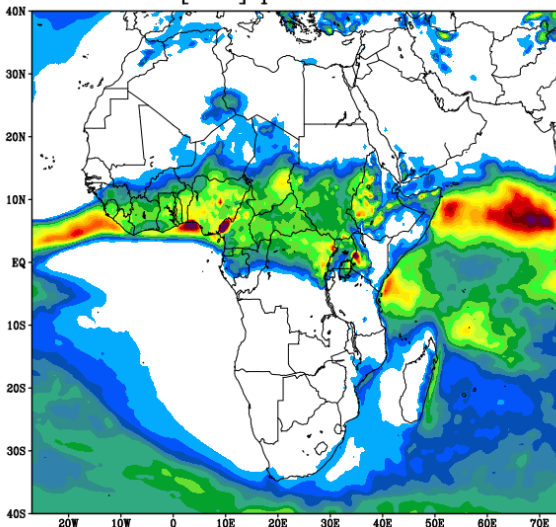


Figure 2: Total accumulated precipitation for week 2
(Source of data is GFS ensemble model)

Forecast Summary Week 2:

During the following week (i.e. week 2), there are prospects of **heavy rainfall** over southwestern Cameroon, southern and northcentral Nigeria, northeastern DR Congo, western Ethiopia, Liberia, coasts of Kenya and Tanzania and southeastern Chad. **Light to moderate rainfall** is anticipated over northern Morocco, northern Algeria, northern Tunisia, southern Mali, Guinea Conakry, Burkina Faso, Sierra Leone, Liberia, Cote d'Ivoire, Ghana, Niger, Gabon, Congo, Sudan, portions of Somalia and eastern Madagascar during the forecast period.

Meteorological Situation:

The MJO phase and the anomalous velocity potential are expected to weaken while strong lower level wind convergences are expected to enhance precipitation over the coasts of Tanzania, Kenya and Gulf of Guinea during this week. The flow is expected to be dominated by southeasterly winds turning southwesterly which will support moderate to heavy rainfall during the forecast period.