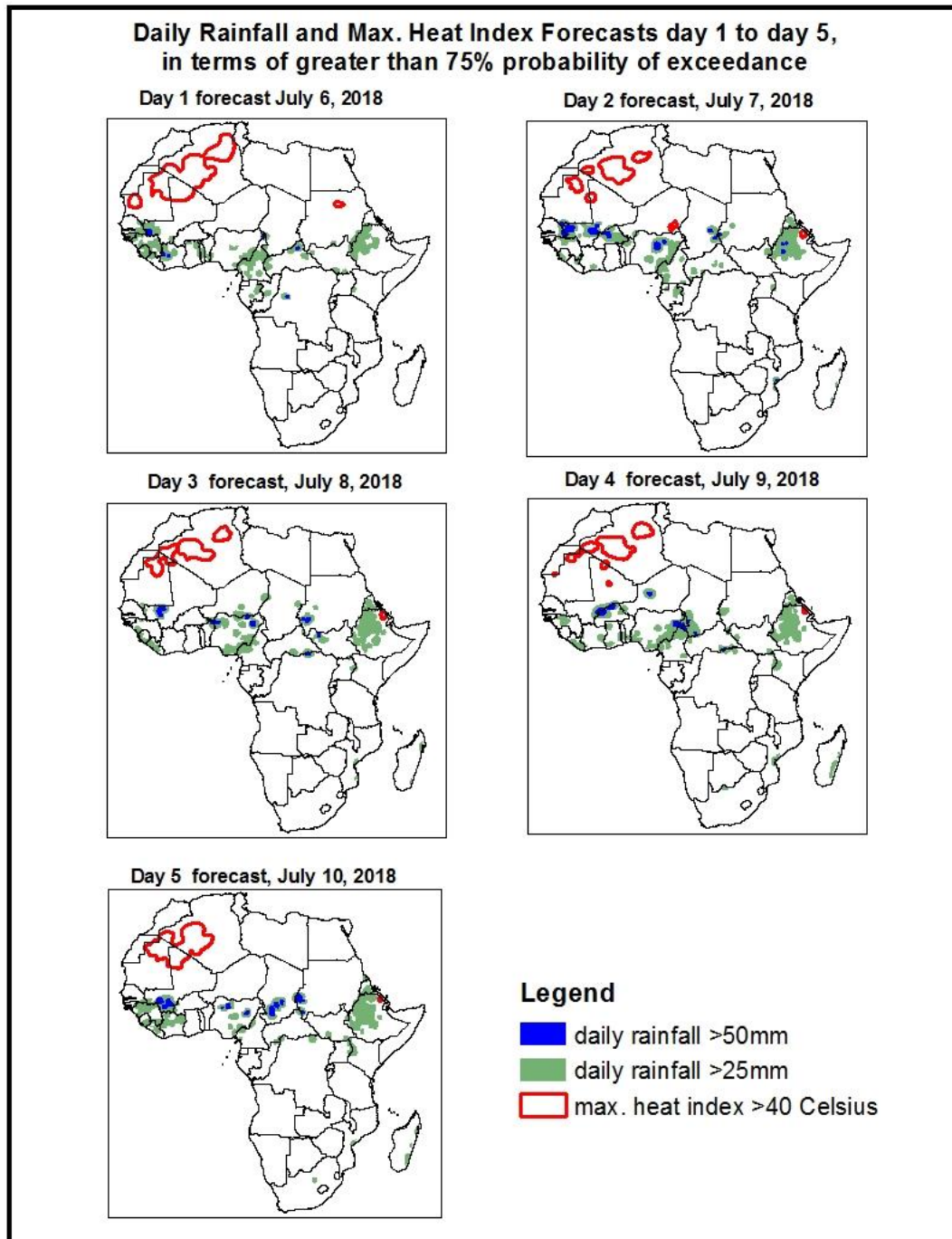


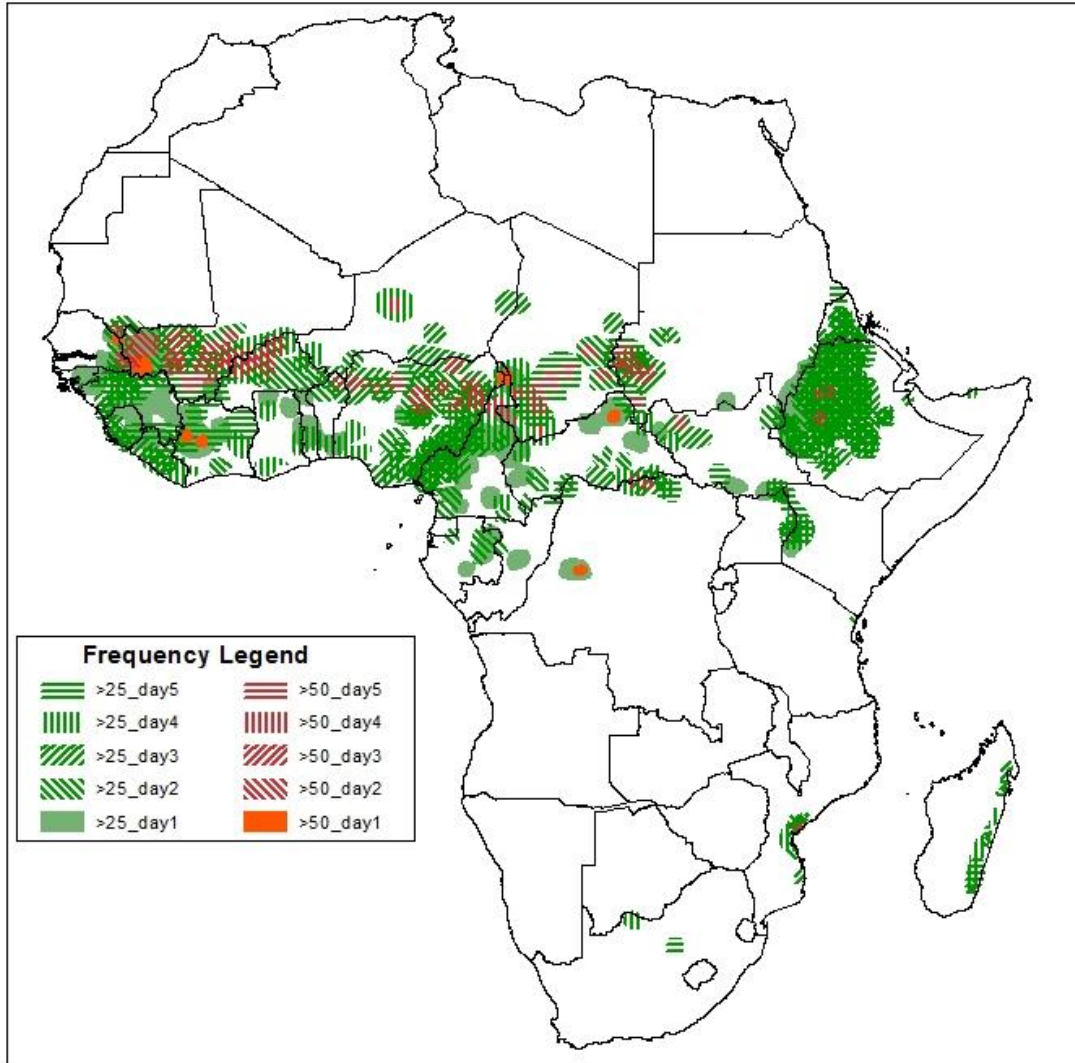
**1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on July 5, 2018)**

**1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: July 6, – July 10, 2018)**

The forecasts are expressed in terms of high probability of precipitation (POP) and high probability of maximum heat index, based on the NCEP/GFS and the NCEP Global Ensemble Forecasts System (GEFS) and expert assessment.



## Five Days Rainfall Forecast Summary 6 July - 10 July, 2018.

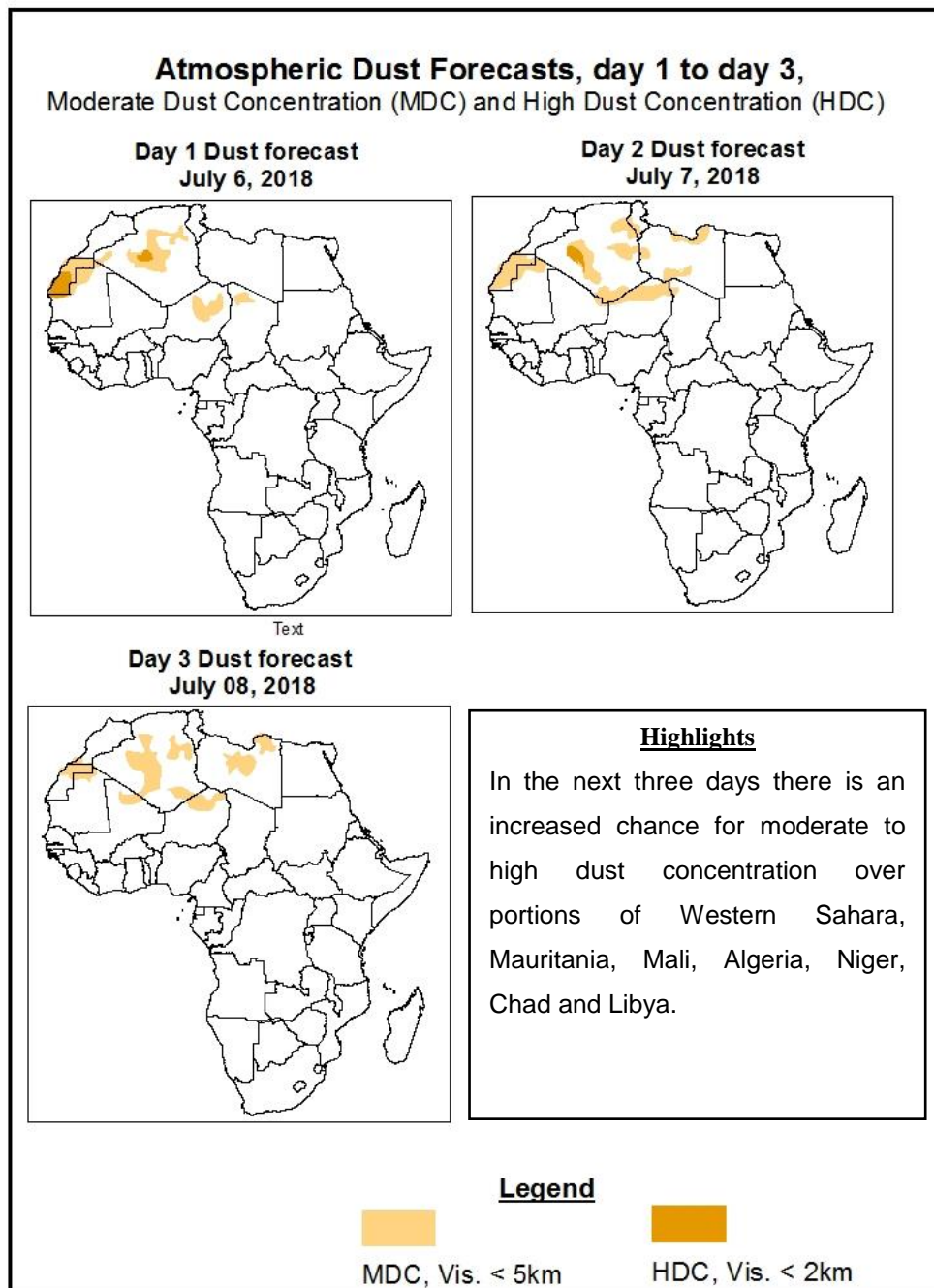


### **Highlights**

In the next five days, areas of anomalous lower-level convergence and upper level divergence over parts of East Africa, Central Africa and Gulf of Guinea Countries are expected to enhance rainfall in these regions during the forecast period. As a result, there is an increased chance for two or more days of moderate to heavy rainfall over portions of Senegal, Mali, Guinea, Sierra Leone, Liberia, Ivory Coast, Burkina Faso, Ghana, Togo, Benin, Niger, Nigeria, Cameroon, Chad, Gabon, CAR, DRC, Sudan, South Sudan, Kenya, Eritrea, Ethiopia, Mozambique, and Madagascar.

## 1.2. Atmospheric Dust Concentration Forecasts (valid: July 6 – July 8, 2018)

The forecasts are expressed in terms of high probability of dust concentration, based on the Navy Aerosol Analysis and Prediction System, NCEP/GFS lower-level wind forecasts and expert assessment.



### ***1.3. Model Discussion, Valid: July 6 – July 10, 2018***

The Azores High Pressure system over the North Atlantic Ocean is expected to intensify during the forecast period. The central pressure increased from 1028hPa to 1036hPa in the forecast period.

The St. Helena High Pressure system over the Southeast Atlantic Ocean is expected to weaken in during the forecast period. The central pressure value decreased from 1040hPa to 1029hPa in the forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to intensify during the forecast period. The central pressure increased from 1032hPa to 1038hPa in the forecast period.

At 925hPa, dry strong northeasterly to easterly wind is expected to prevail across northern Africa and portions of the Sahel region.

At 850hPa, in West Africa, it is expected that the Inter Tropical Convergence Zone will oscillate above the Gulf of Guinea countries while the area of wind convergence remain active over Mali, Niger, Chad and Sudan.

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## 2.0. Previous and Current Day Weather over Africa

### 2.1. Weather assessment for the previous day (July 4, 2018)

Moderate to locally heavy rainfall was observed over parts of Guinea, Sierra Leone, Togo, Niger, Nigeria, Chad, CAR, DRC, Sudan, South Sudan, Eritrea and Ethiopia.

### 2.2. Weather assessment for the current day (July 5, 2018)

Intense convective clouds are observed over parts of Burkina Faso, Togo, Benin, Niger, Nigeria, Cameroon, Equatorial Guinea, Gabon, Congo, CAR, DRC, Sudan, South Sudan and Ethiopia.

