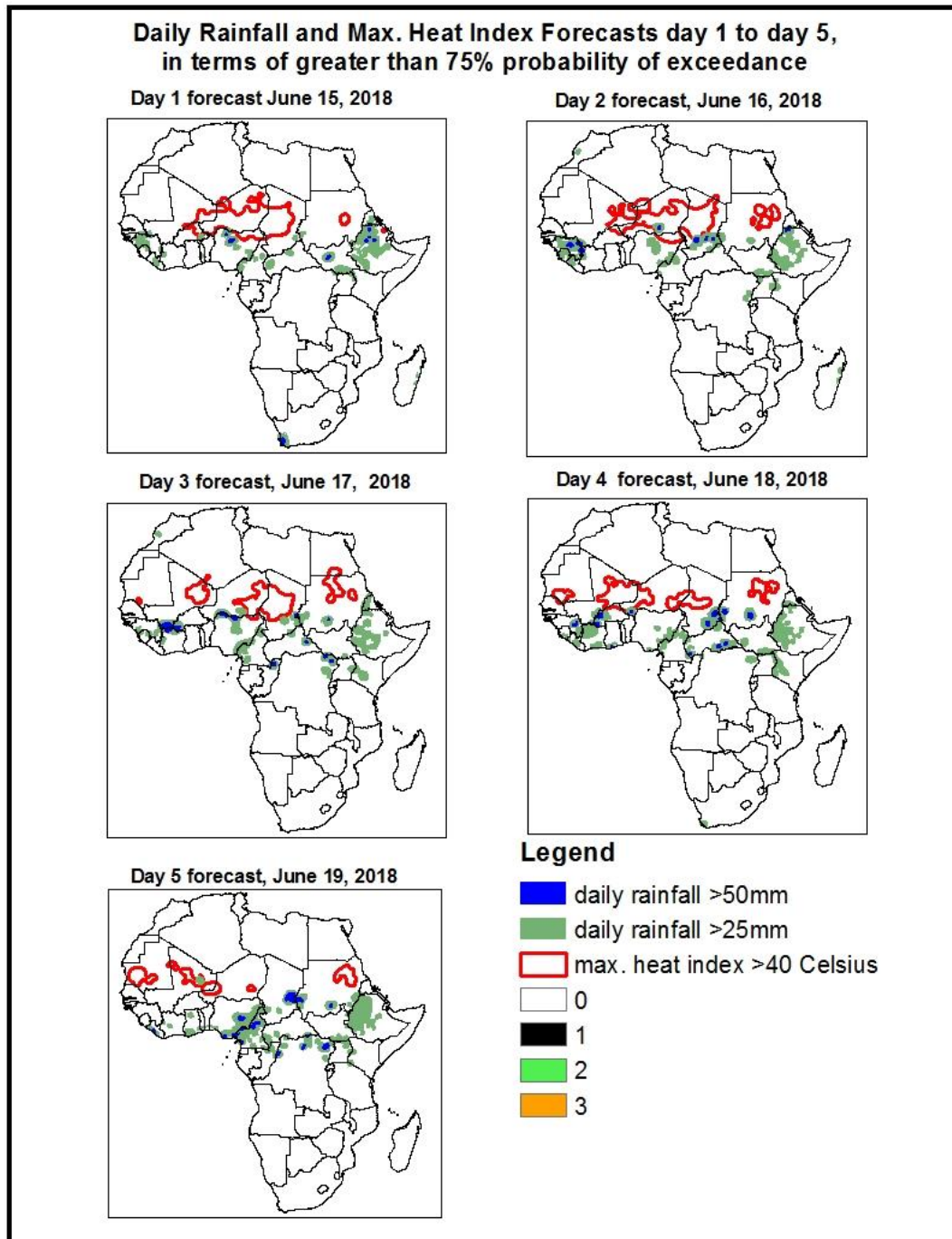


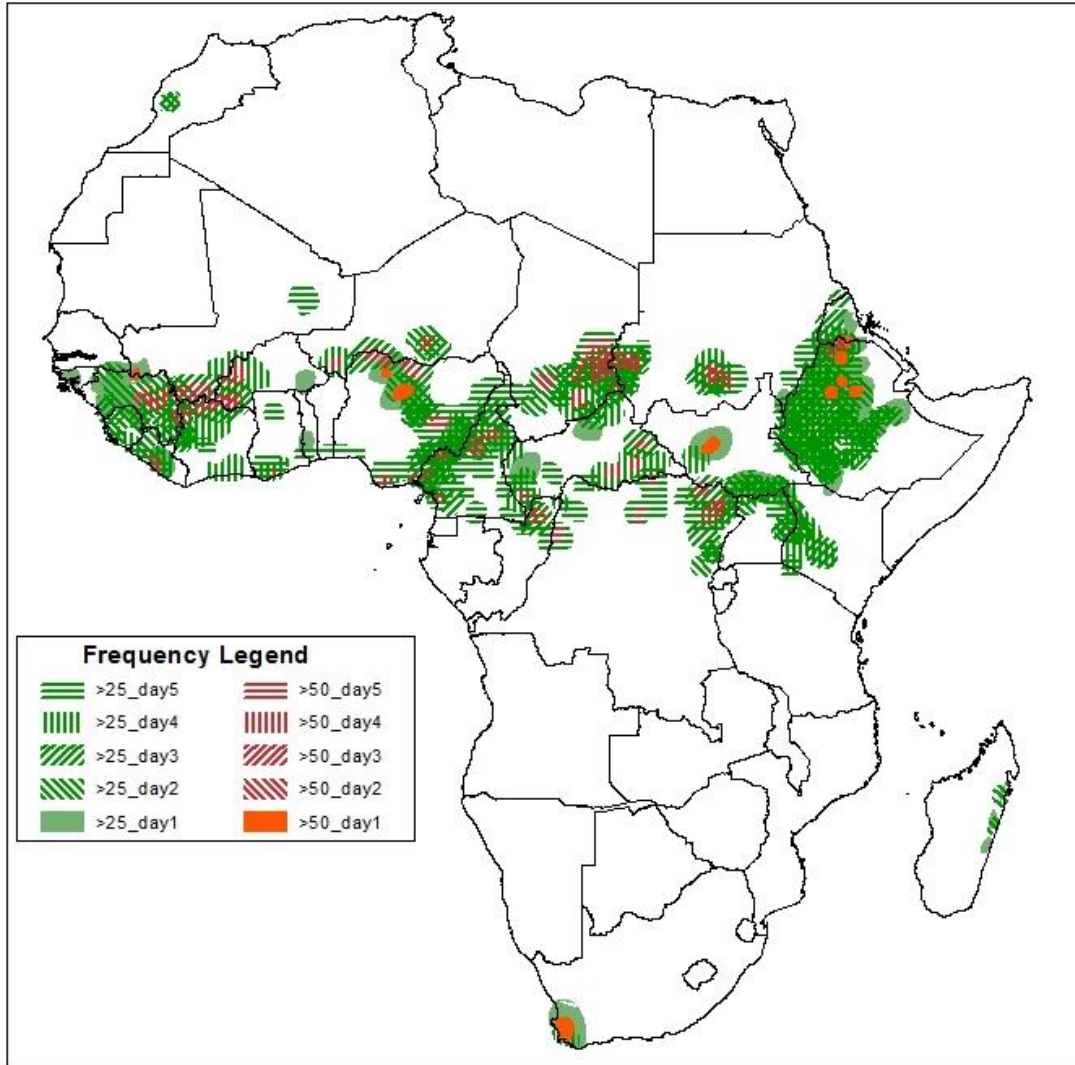
**1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on June 14, 2018)**

**1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: June 15, – June 19, 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 15 June - 19 June, 2018.

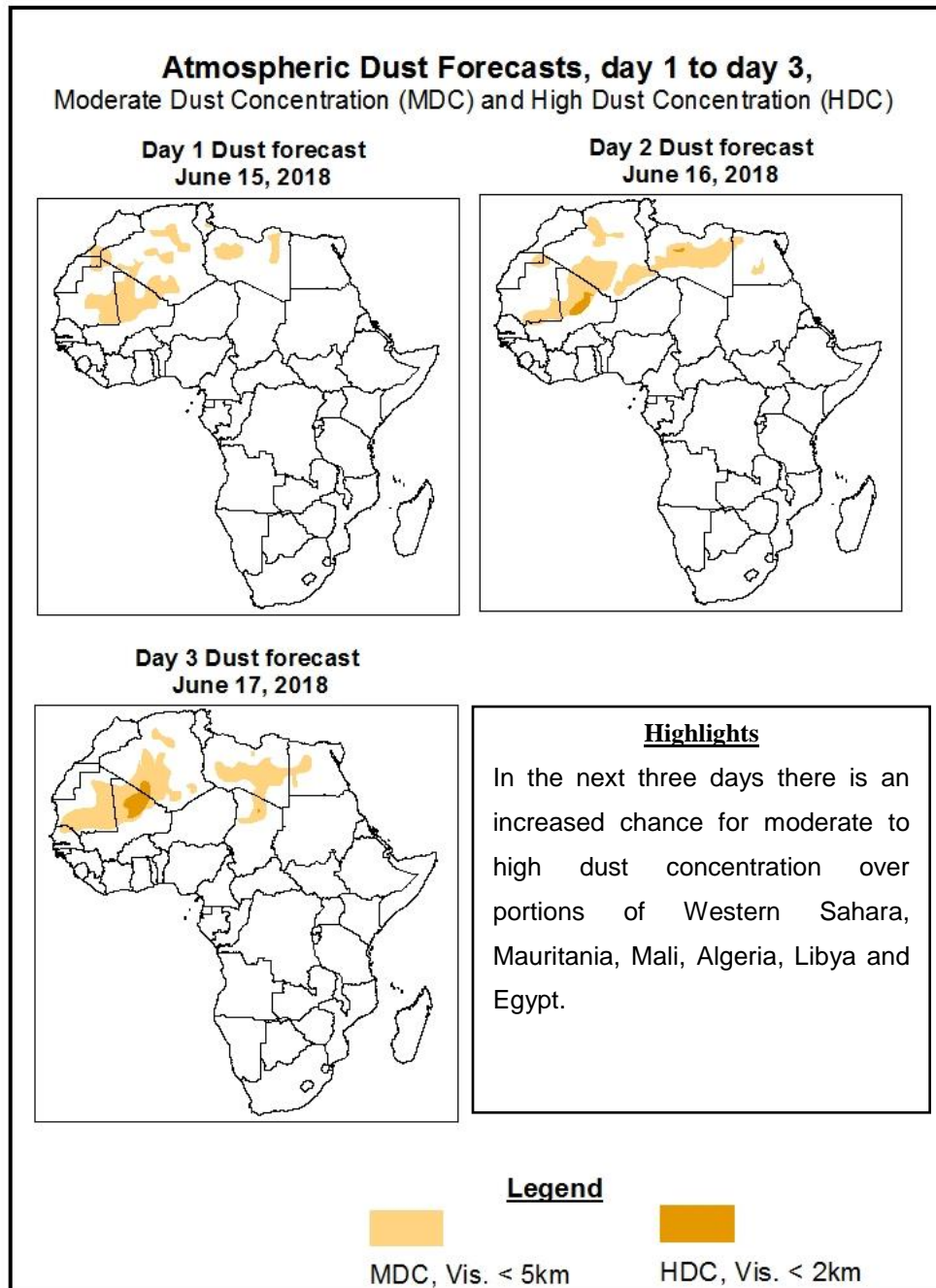


### **Highlights**

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

## 1.2. Atmospheric Dust Concentration Forecasts (valid: June 15 – June 17, 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: June 15– June 19, 2018***

The Azores High Pressure system over the North Atlantic Ocean is expected intensify during the forecast period. The central pressure value increased from about 1028 hPa to 1031 hPa during the forecast period.

The St. Helena High Pressure system over the Southeast Atlantic Ocean is expected intensify during the first two days and then weakens in the subsequent days ahead. The central pressure value increased from about 1032 hPa to 1034 hPa and then decreased to 1029 hPa during the forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to intensify during the first three days and then weakens during the forecast period. The central pressure value increased from about 1029 hPa to 1034 hPa and then decreases to 1032hPa during the forecast period.

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

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

## **2.0. Previous and Current Day Weather over Africa**

### ***2.1. Weather assessment for the previous day*** (June 13, 2018)

**Moderate to locally heavy rainfall was observed over parts of** Ethiopia, Sudan, South Sudan, DRC, CAR, Chad, Cameroon, Nigeria, Burkina Faso, Mali, Guinea and Senegal.

## 2.2. Weather assessment for the current day (June 14, 2018)

Intense convective clouds are observed over parts of Ethiopia, South Sudan, DRC, Cameroon, Nigeria, Guinea, Sierra Leone and Liberia.

