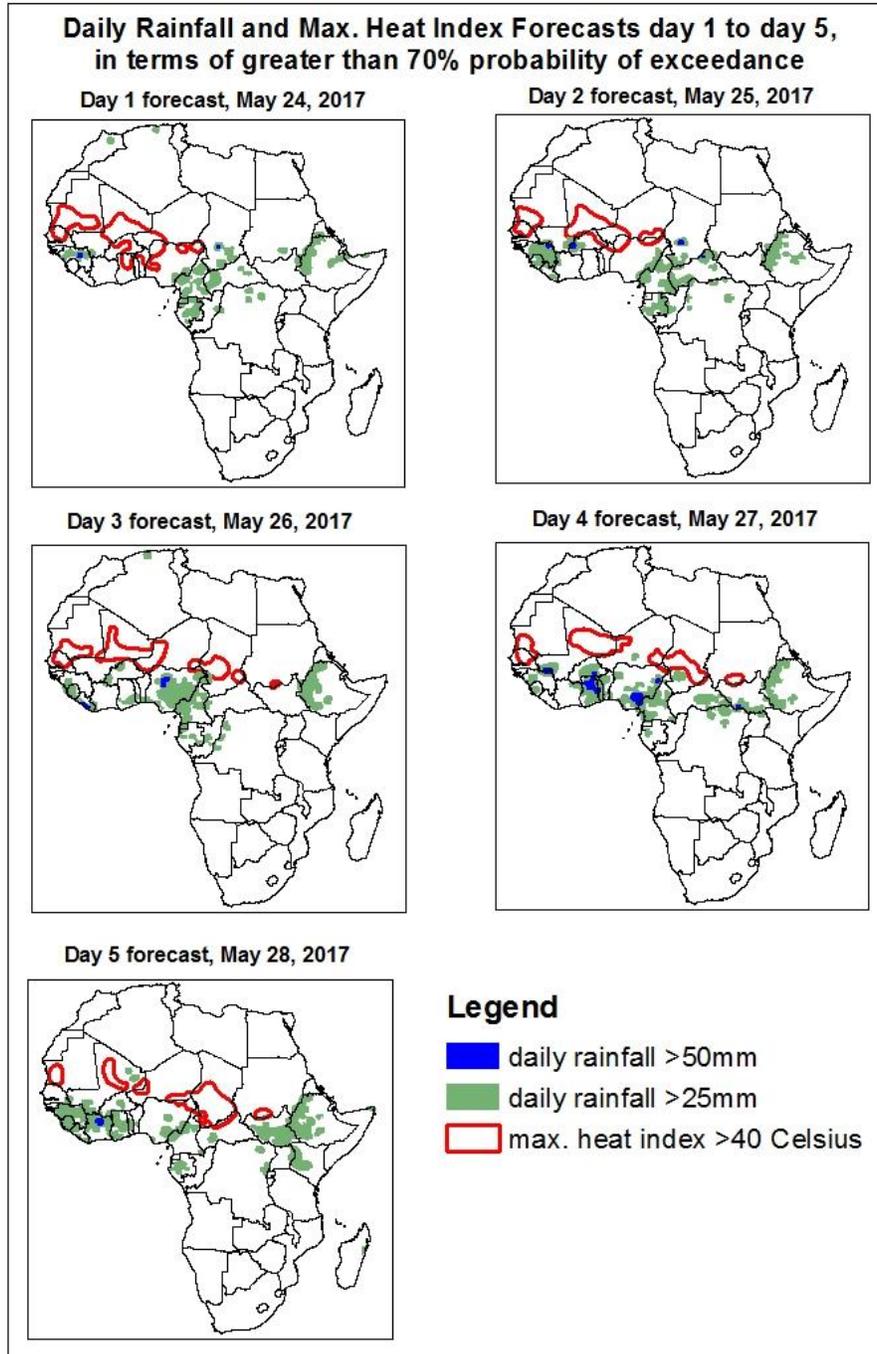


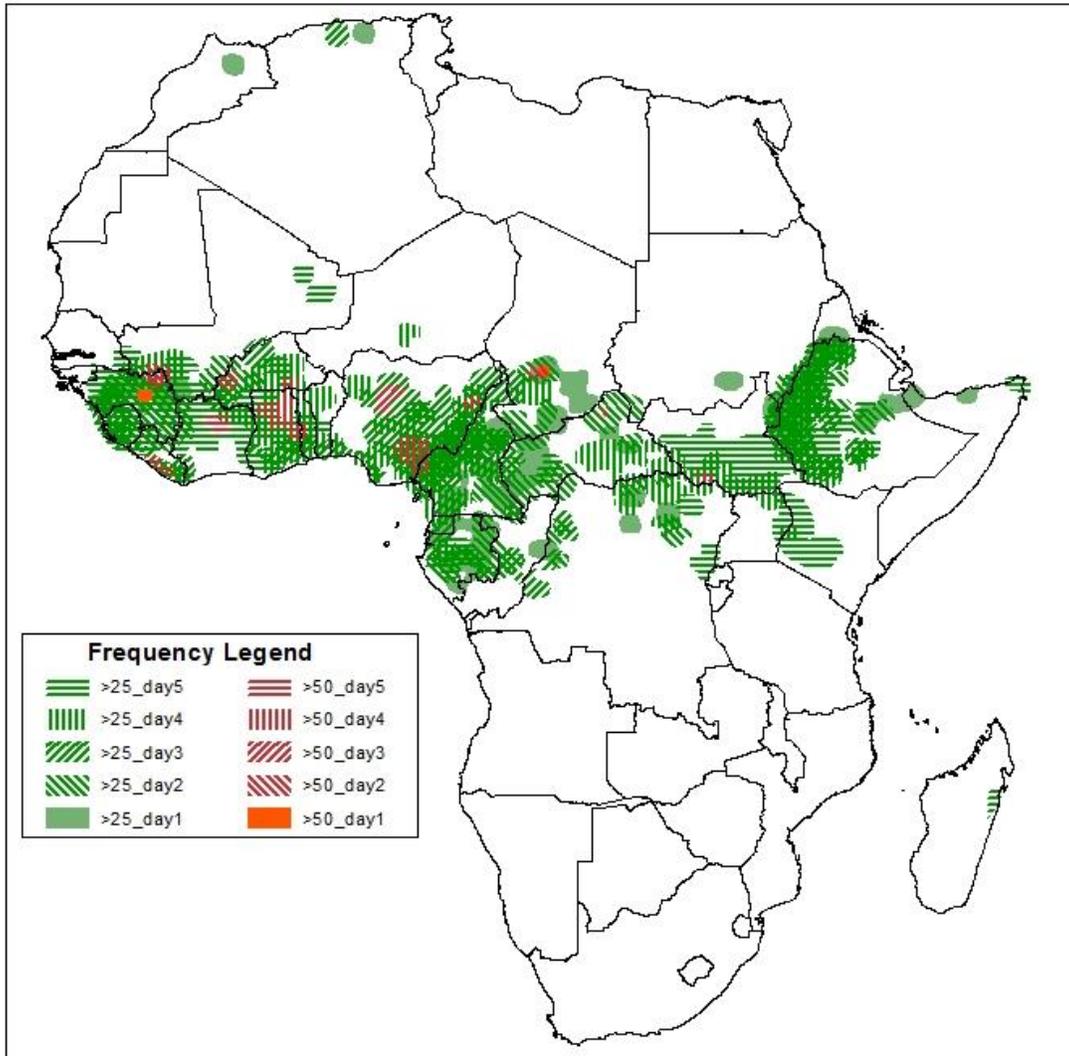
**1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on May 23, 2017)**

**1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: May 24 – 28, 2017)**

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



## Five Days Rainfall Forecast Summary May 24 - 28, 2017

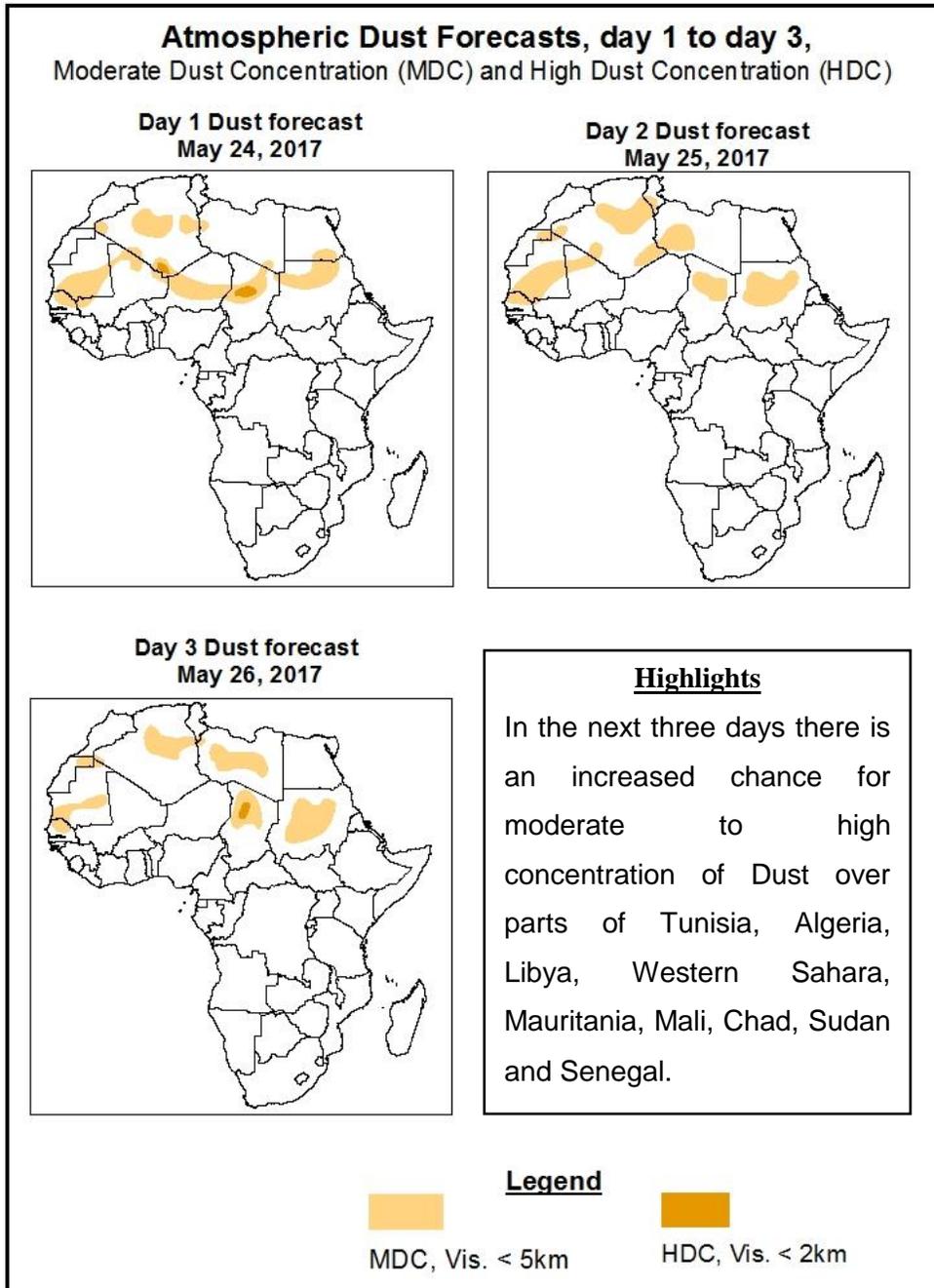


### **Highlights**

In the next five days, lower level wind convergences across the Central and South African countries are expected to enhance rainfall in their respective regions. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over portions of Burkina Faso, Guinea, Sierra Leone, Liberia, Ghana, Togo, Benin, Nigeria, Cameroon, Equatorial Guinea, Gabon, CAR and local areas of Mali, Chad, Sudan, Cote d'Ivoire, Benin, Congo, DRC, South Sudan, Uganda and Kenya.

**1.2. Atmospheric Dust Concentration Forecasts (valid: May 24 – 26, 2017)**

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: May 24 – 28, 2017***

The Azores High Pressure system over the North Atlantic Ocean is expected to weaken with its value of the central pressure decreasing from 1026hPa to 1024hPa during the forecast period.

The St. Helena High Pressure system over the Southeast of the Atlantic Ocean is expected to weaken with its value of the central pressure decreasing from 1034hPa to 1030hPa during the forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to intensify with its value of the central pressure increasing from 1024hPa to 1027hPa during the next 96 hours and weaken to 1026hPa during the remaining forecast period.

At 925hPa, strong dry Northeasterly to Easterly winds may lead from light to moderate dust concentration over parts of Tunisia, Algeria, Libya, Egypt, Morocco, Western Sahara, Mauritania, Mali, Niger, Chad, Sudan and Senegal.

At 850hPa level, lower level wind convergences are expected to prevail over Cameroon, Congo, CAR, DRC, South Sudan, Ethiopia, Somalia, Uganda, Kenya, Tanzania, Angola, Mozambique, Namibia, Botswana and South Africa.

In the next five days, lower level wind convergences across the Central and South African countries are expected to enhance rainfall in their respective regions. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over portions of Burkina Faso, Guinea, Sierra Leone, Liberia, Ghana, Togo, Benin, Nigeria, Cameroon, Equatorial Guinea, Gabon, CAR and local areas of Mali, Chad, Sudan, Cote d'Ivoire, Benin, Congo, DRC, South Sudan, Uganda and Kenya.

## 2.0. Previous and Current Day Weather over Africa

### 2.1. Weather assessment for the previous day (May 22, 2017)

Light to moderate rainfall was observed over portions of Mali, Chad, Sudan, Nigeria, Cameroon, CAR, DRC, Ethiopia, Somalia, Kenya and Tanzania.

### 2.2. Weather assessment for the current day (May 23, 2017)

Intense convective clouds are observed over portions of Mali, Chad, Sierra Leone, Cote d'Ivoire, Nigeria, Cameroon, Equatorial Guinea, Gabon, Congo, CAR, DRC, South Sudan, Ethiopia, Somalia, Uganda and Kenya.

