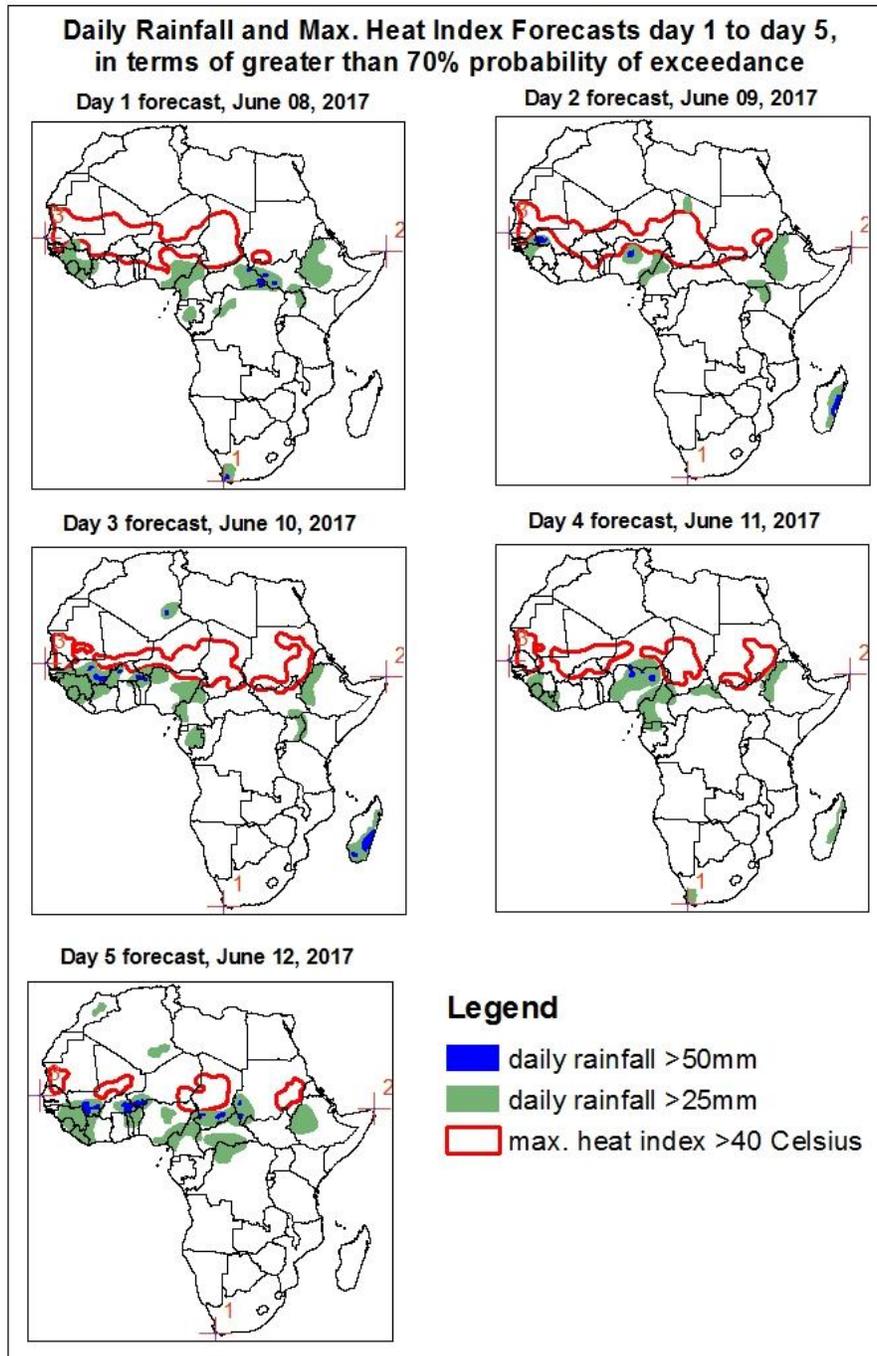


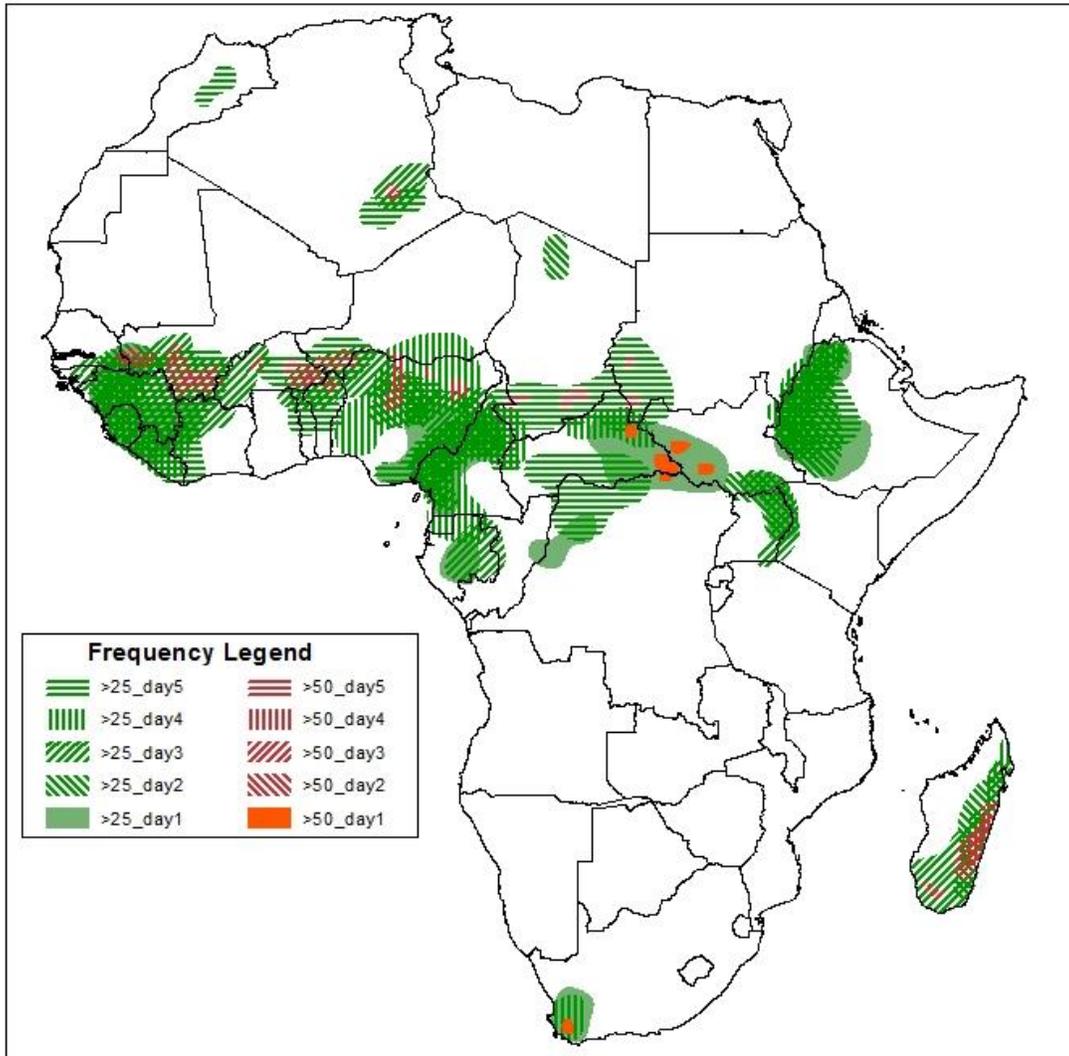
**1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on June 07, 2017)**

**1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: June 08 – 12, 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 June 08 - 12, 2017

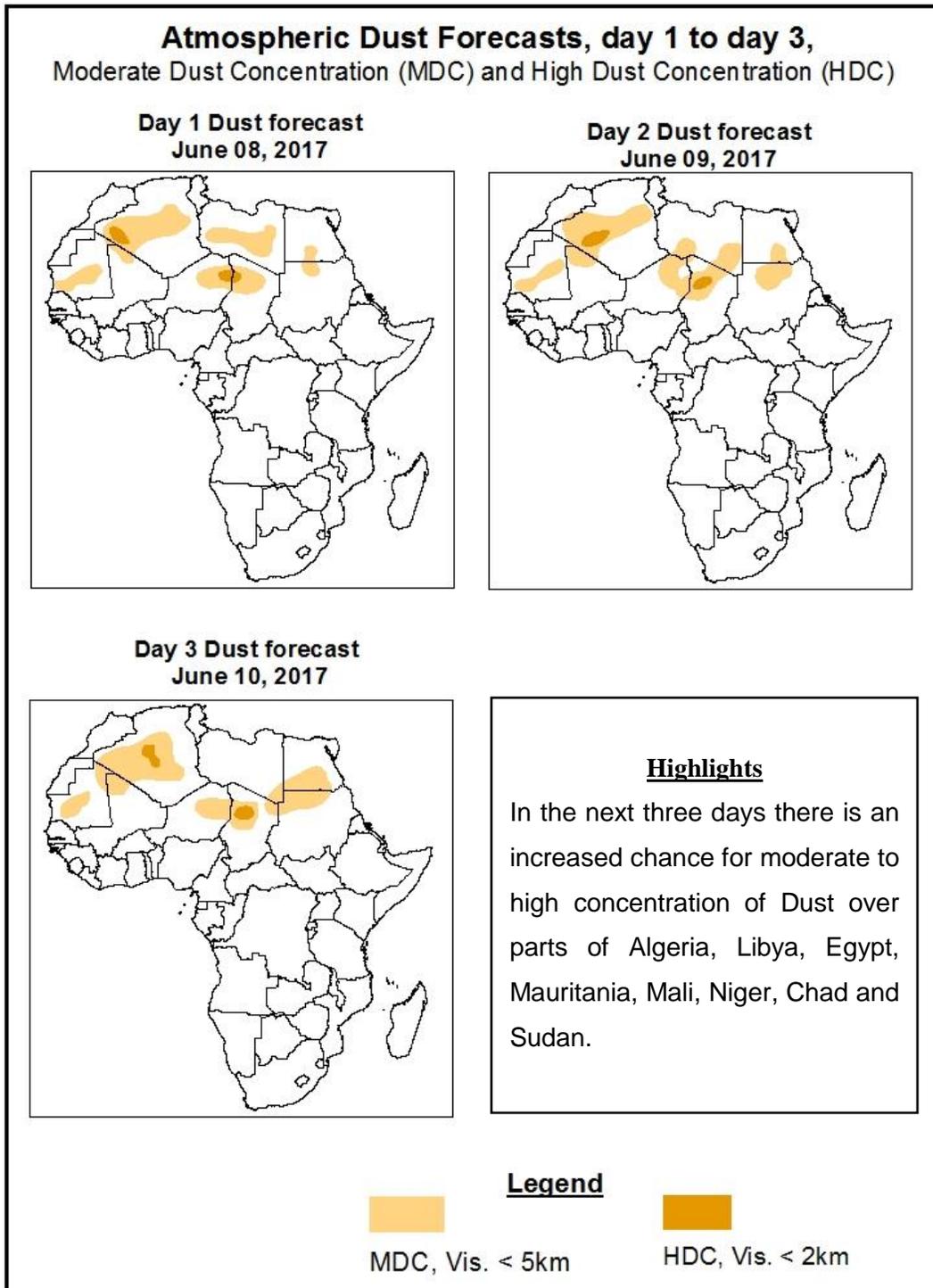


### **Highlights**

In the next five days, lower level wind convergences across West, Central Africa countries and portions of the Greater Horn of Africa are expected to enhance rainfall in their respective regions. Frontal system is expected to enhance rainfall across parts of South Africa. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over portions of Guinea, Sierra Leone, Liberia and local areas of Algeria, Mali, Burkina Faso, Niger, Cote d'Ivoire, Togo, Benin, Nigeria, Cameroon, Gabon, CAR, DRC, South Sudan, Ethiopia, Uganda, South Africa and Madagascar.

## 1.2. Atmospheric Dust Concentration Forecasts (valid: June 08 – 10, 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: June 08 – 12, 2017**

The Azores High Pressure system over the North Atlantic Ocean is expected to intensify with its value of the central pressure increasing from 1024hPa to 1026hPa during the next 96 hours and weaken to 1025hPa during the remaining 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 1028hPa to 1022hPa during the next 48 hours, intensify to 1025hPa during the next 96 hours, and weaken to 1024hPa during the remaining 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 1035hPa to 1039hPa during the next 96 hours and weaken to 1036hPa during the remaining forecast period.

At 925hPa, strong dry southeasterly to westerly winds may lead from light to moderate dust concentration over parts of Algeria, Libya, Egypt, Mauritania, Mali, Niger, Chad and Sudan.

At 850hPa level, lower level wind convergences are expected to prevail over Mali, Burkina Faso, Niger, Chad, Sudan, Cote d'Ivoire, Nigeria, Cameroon, CAR, DRC, South Sudan, Ethiopia, Uganda, South Africa and Madagascar.

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## 2.0. Previous and Current Day Weather over Africa

### 2.1. Weather assessment for the previous day (June 06, 2017)

Light to moderate rainfall was observed over portions of Sudan, Liberia, Cote d'Ivoire, Benin, Nigeria, Cameroon, Congo, CAR, DRC, South Sudan, Ethiopia and South Africa.

### 2.2. Weather assessment for the current day (June 07, 2017)

Intense convective clouds are observed over portions of Mali, Niger, Chad, Sudan, Liberia, Cote d'Ivoire, Cameroon, CAR, DRC, South Sudan, Ethiopia, Uganda and Kenya.

