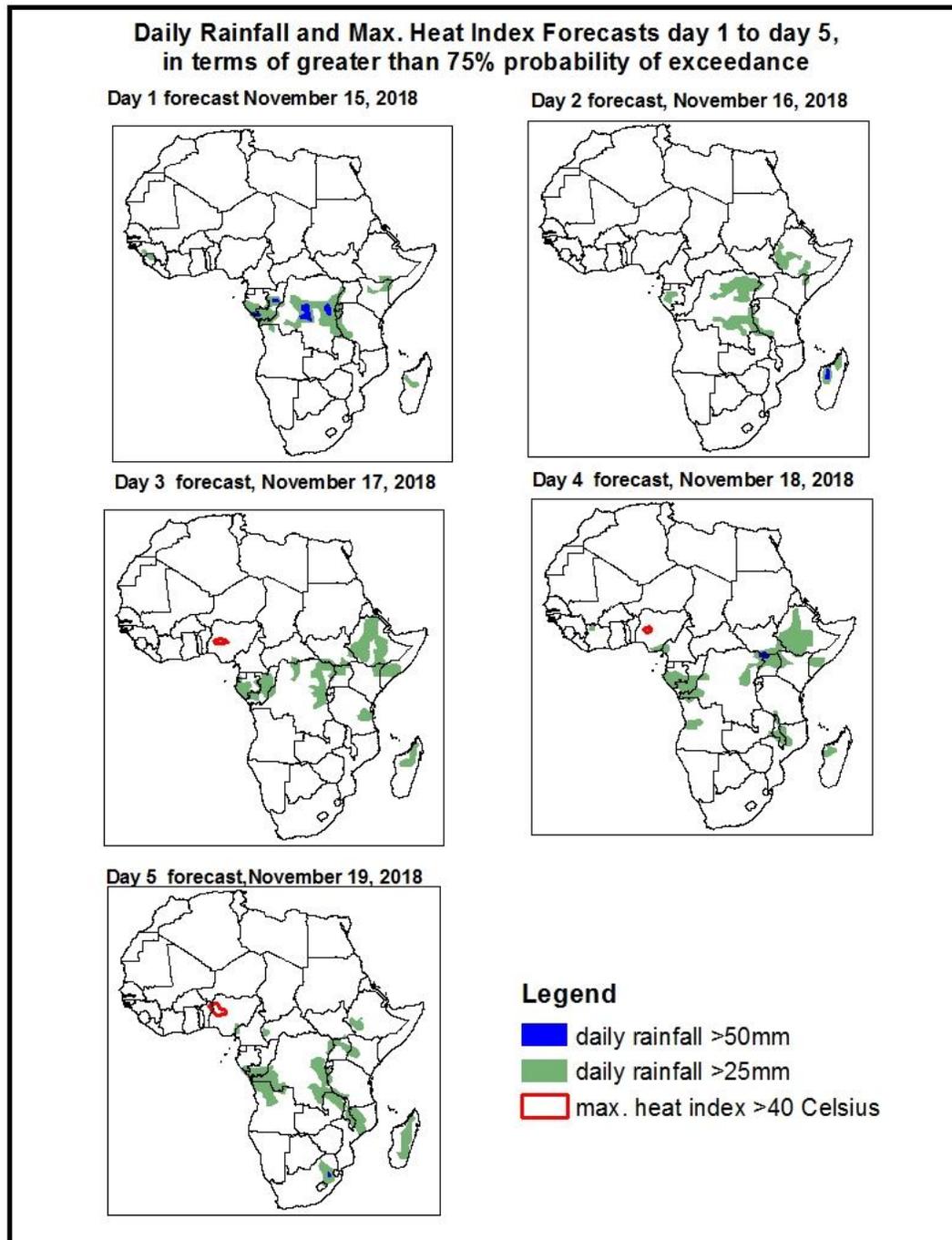


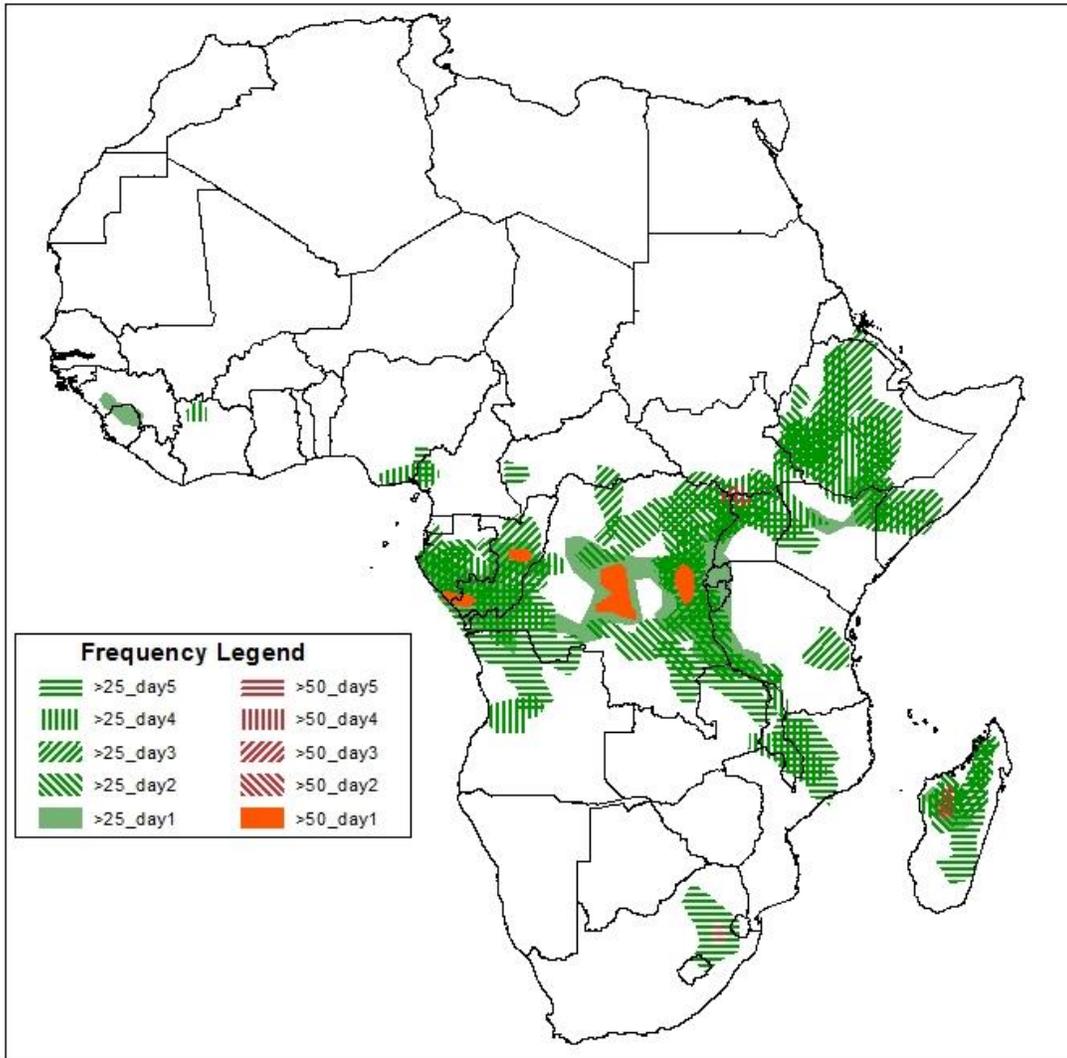
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on November 14, 2018)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Nov 15 - 19, 2018)

The forecasts are expressed in terms of high probability of precipitation (POP), valid 06Z to 06Z, and exceedance probability of maximum heat index ($>40^{\circ}\text{C}$), based on the NCEP/GFS and the NCEP Global Ensemble Forecasts System (GEFS) and expert assessment.



Five Days Rainfall Forecast Summary 15 - 19 November , 2018.

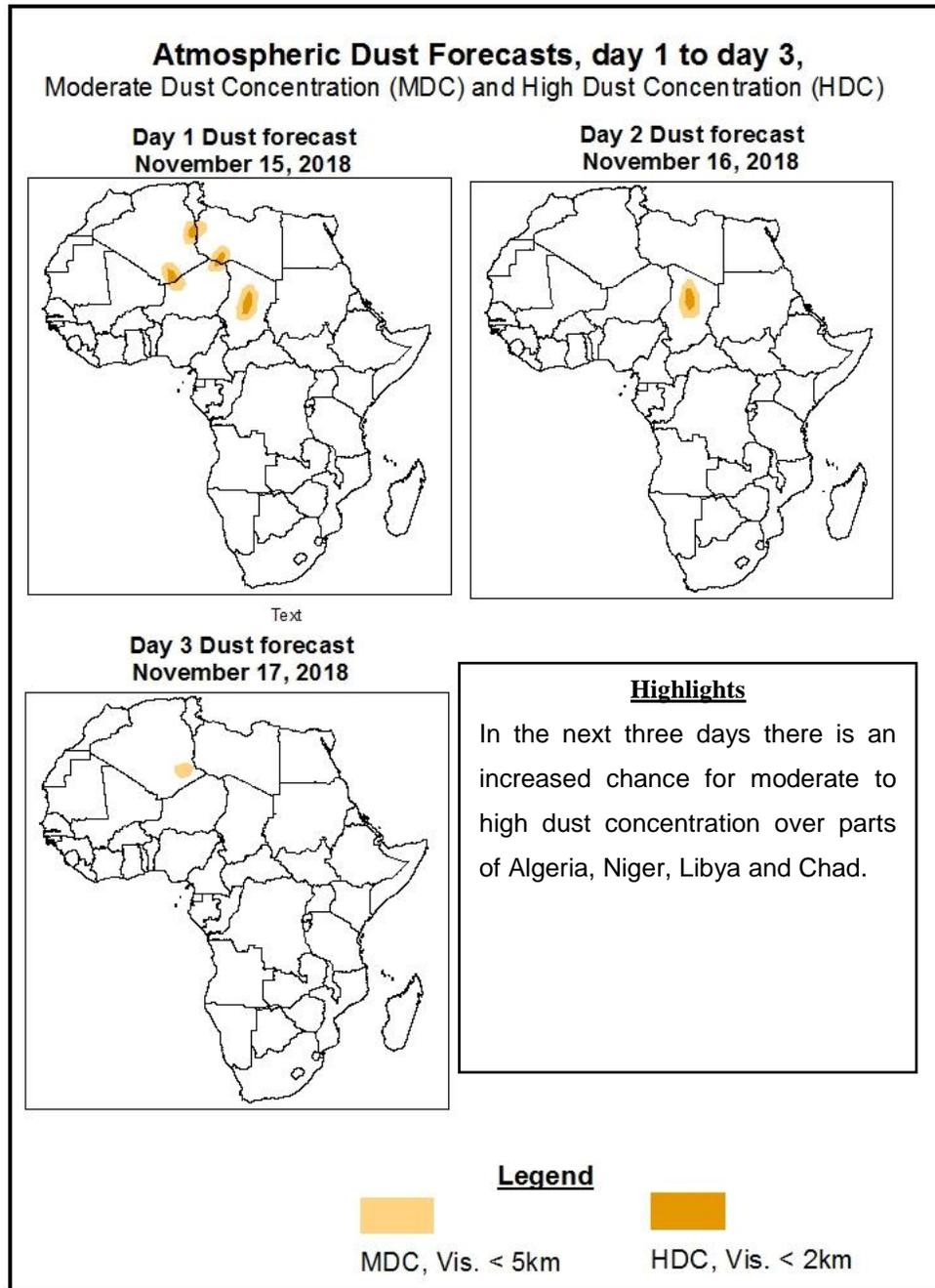


Highlights

- In the next five days the Congo Air Boundary (CAB) is expected to remain active over Central African Countries and it is later expected to extend its influence over the North of Southern African countries. In the next five days, there is a chance for moderate to heavy rainfall over localized areas of Gabon, Congo Brazzaville, Congo DR Uganda South Africa and Madagascar.
- There is an increased chance for temperature heat index values to exceed 40⁰C over local areas of Nigeria.

1.2. Atmospheric Dust Concentration Forecasts (valid: November 15 – 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: November 15– 19, 2018

The Azores High Pressure system over the North Atlantic Ocean is expected to maintain its strength. Its central pressure value is expected to fluctuate between 1024hPa and 1020hPa through the forecast period.

The St. Helena High Pressure system over Southwest Atlantic Ocean is expected to intensify as it progresses eastwards towards the sub-continent, its central pressure value is expected to increase from 1023hPa to 1031hPa through the forecast period.

The Mascarene High Pressure system over Southwest Indian Ocean is expected to strengthen as it progresses eastward with its central pressure value expected to increase from 1030hPa to 1034hPa through the forecast period.

At 925hPa, strong northeasterly to easterly flow is expected to prevail over most parts of Northern Africa and the Sahel region. Moist and unstable Southwesterly to westerly winds are expected to prevail over Central Africa and parts of Gulf of Guinea.

At 850hPa, Lower-level wind convergence associated with the Congo air boundary (CAB) over parts of Central Africa and North of Southern Africa.

In the next five days the Congo Air Boundary (CAB) is expected to remain active over Central African Countries and it is later expected to extend its influence over the North of Southern African countries. In the next five days, there is a chance for moderate to heavy rainfall over localized areas of Gabon, Congo Brazzaville, Congo DR Uganda Mozambique and South Africa.

There is an increased chance for temperature heat index values to exceed 40⁰C over local areas of Nigeria.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (November 13, 2018)

Above 25mm daily rainfall was observed over localized areas of Gabon, Angola Congo DR, Somalia and Madagascar.

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

Intense convective clouds are observed over some areas of the Central African countries.

