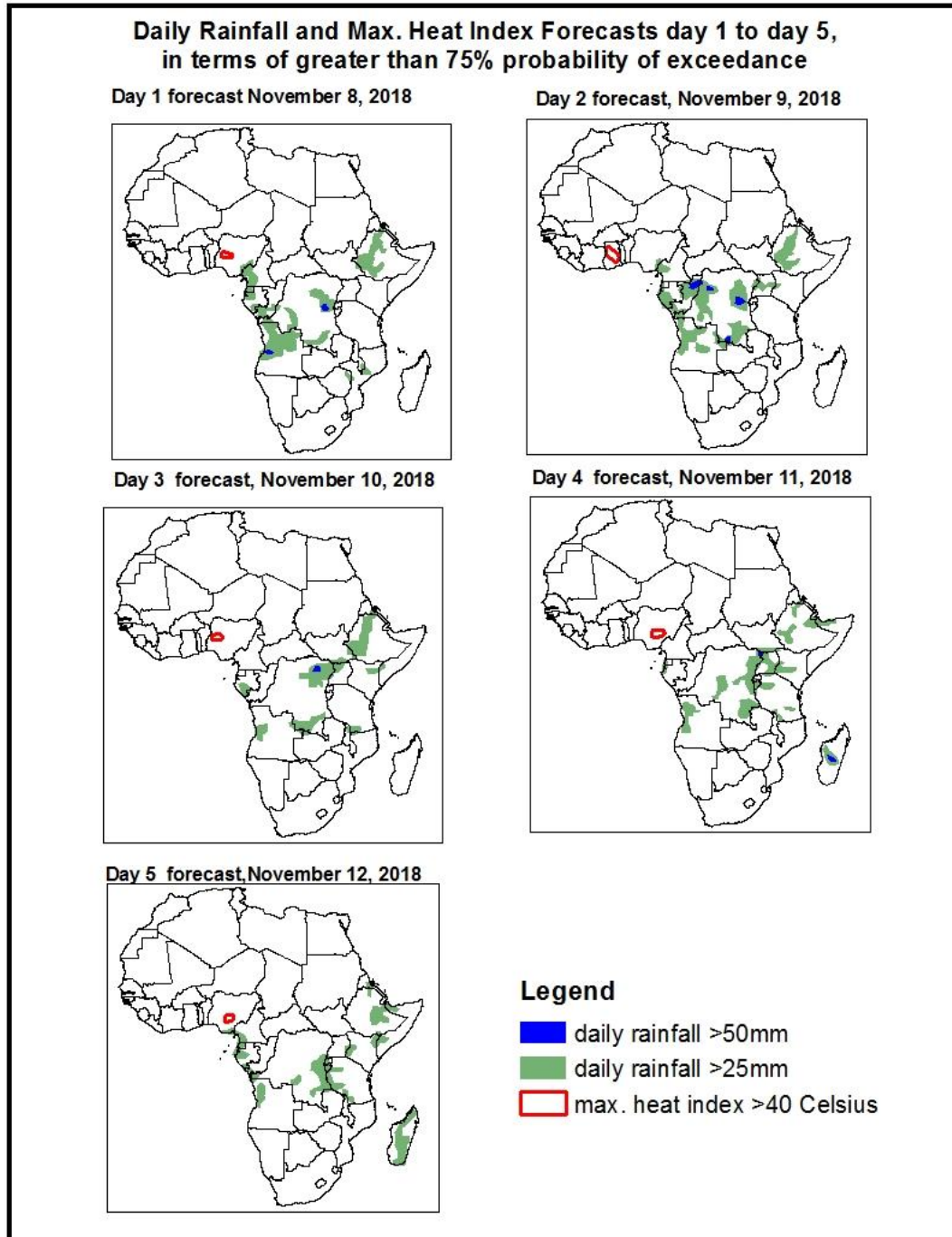


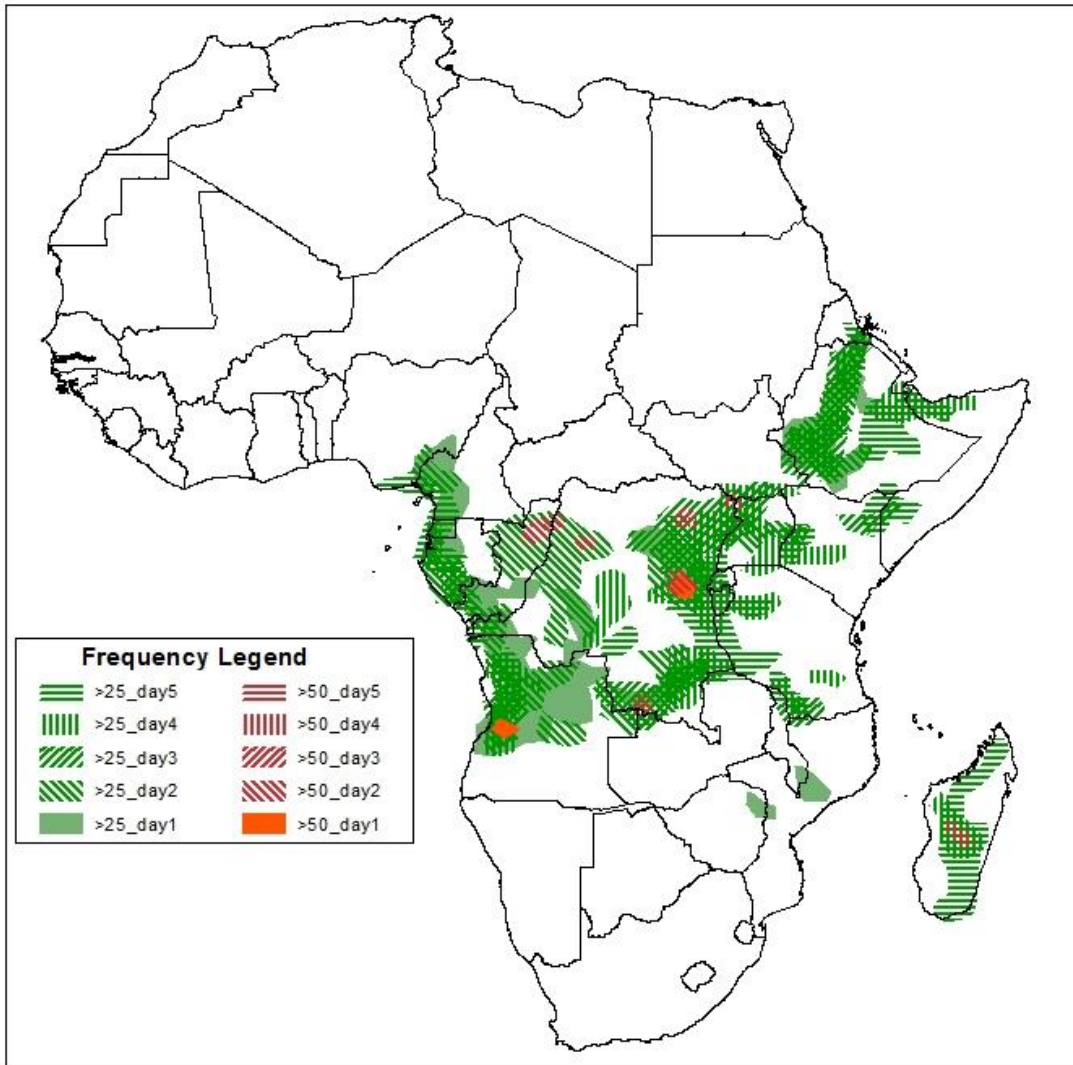
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on November 7, 2018)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Nov 8 - 12, 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°C), based on the NCEP/GFS and the NCEP Global Ensemble Forecasts System (GEFS) and expert assessment.



Five Days Rainfall Forecast Summary 8 - 12 November , 2018.

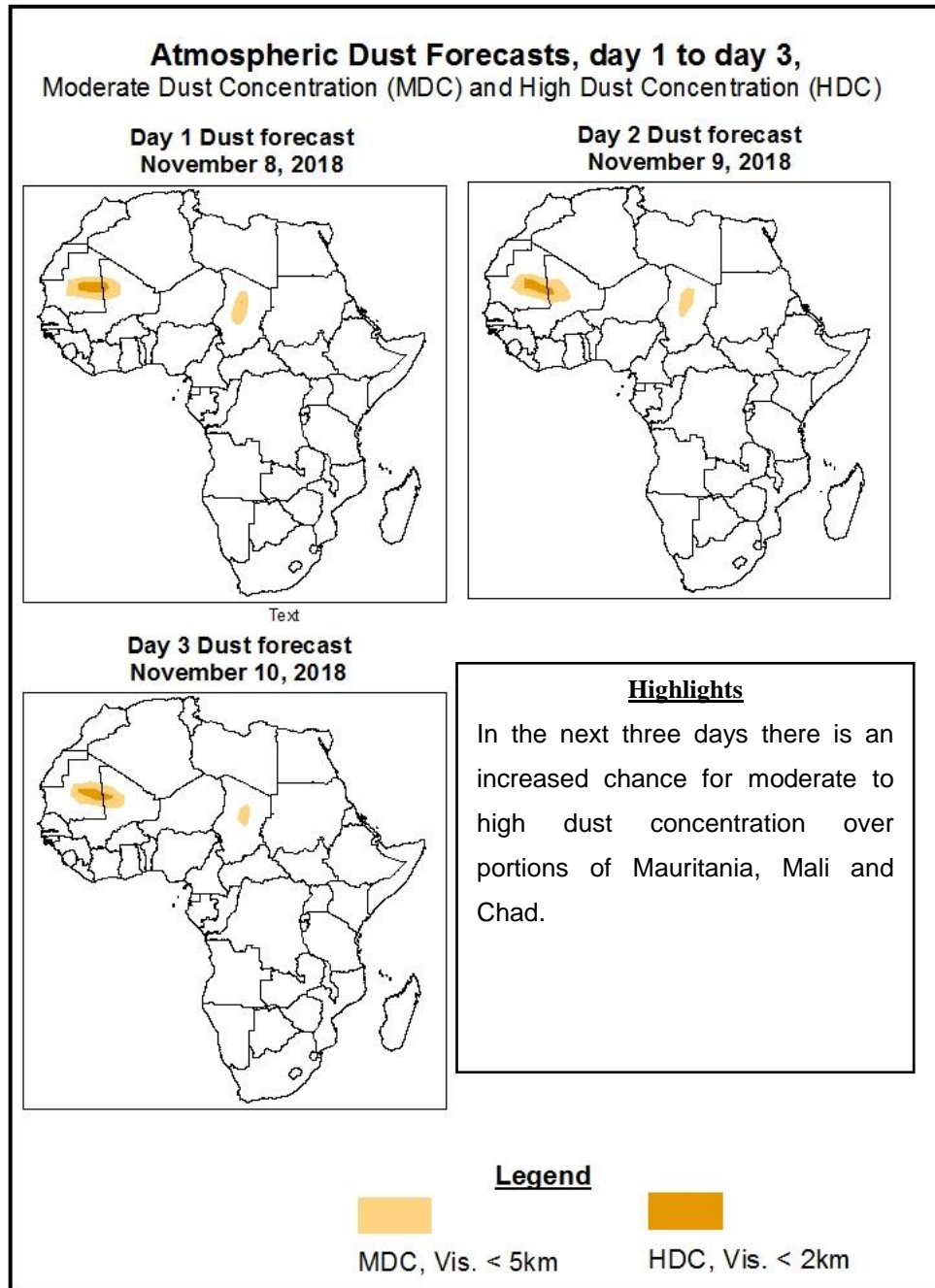


Highlights

- In the next five days the Congo Air Boundary (CAB) is expected to keep oscillating over the Central and north of Southern Africa. There is a chance for moderate to heavy rainfall over Congo Brazzaville, Congo DR Angola and Mozambique for the first 4 days of the forecast period.
- There is an increased chance for temperature heat index values to exceed 40⁰C over local areas of Nigeria in the next three days.

1.2. Atmospheric Dust Concentration Forecasts (valid: November 8 – 12, 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 8 – 12, 2018

The Azores High Pressure system over the North Atlantic Ocean is expected to continue maintaining its strength. Its central pressure value is expected to vary between 1026hPa to 1028hPa through the forecast period.

The St. Helena High Pressure system over Southwest Atlantic Ocean is expected to progress eastwards towards the sub-continent through the 72hrs, its central pressure value is expected to decrease from 1027hPa to 1025hPa.

The Mascarene High Pressure system over Southwest Indian Ocean is expected to maintain its position with its central pressure value expected to decrease from 1027hPa to 1024hPa through the 72hrs. Moving eastwards of the Indian oceans Mascarene High Pressure system is expected to gain its strength with the central pressure value expecting to increase to 1026hPa towards the end of 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 winds are expected to prevail over Central Africa.

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

In the next five days the Congo Air Boundary (CAB) is expected to keep oscillating over the Central and north of Southern Africa. There is a chance for moderate to heavy rainfall over Congo Brazzaville, Congo DR Angola and Mozambique for the first 4 days of the forecast period.

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

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (November 6, 2018)

Above 25mm daily rainfall was observed through localized areas of Ghana, Nigeria, Central Africa Republic and Cameroon.

2.2. Weather assessment for the current day (November 7, 2018)

Intense convective clouds are observed over local areas the Gulf of Guinea, Central and southern African countries.

