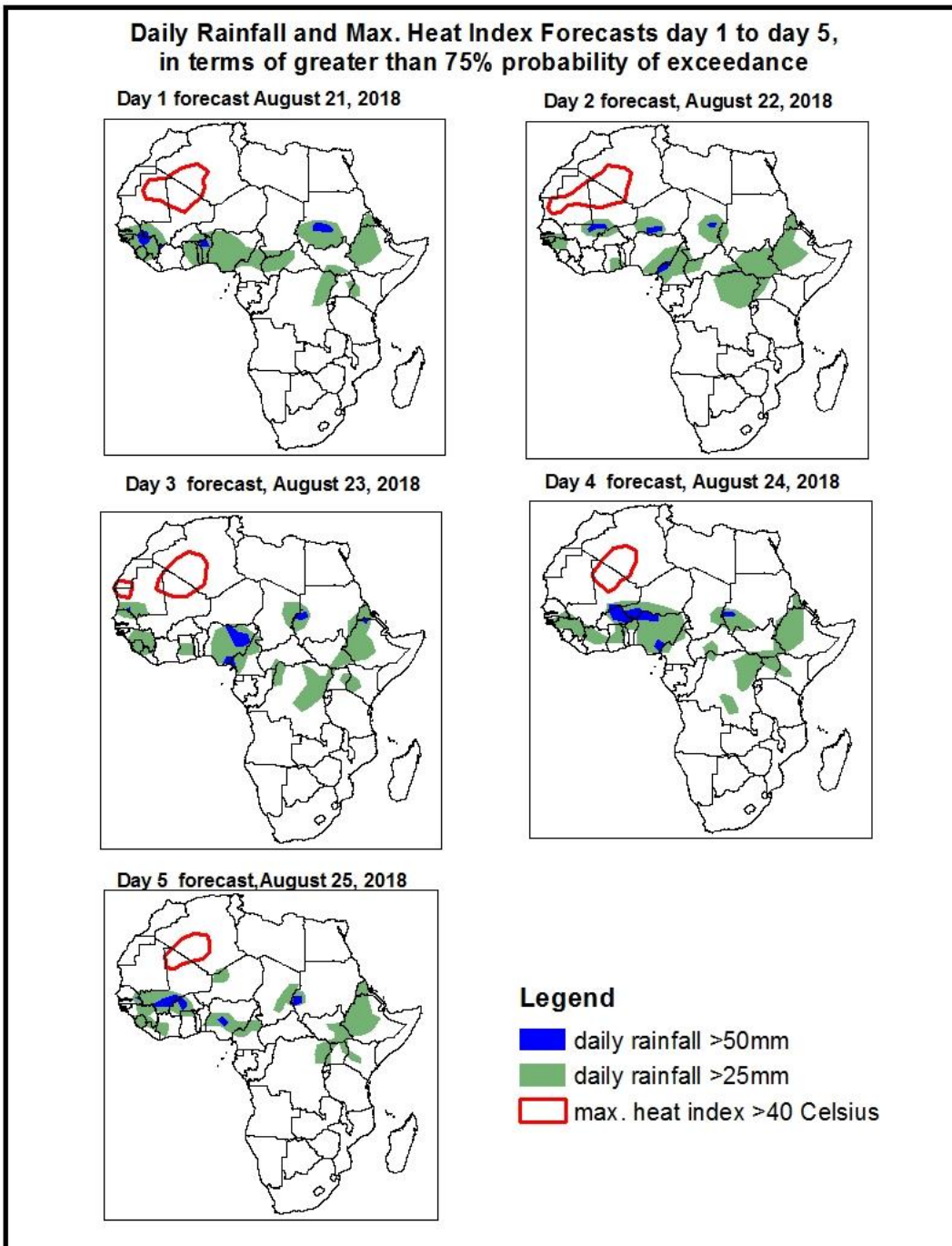


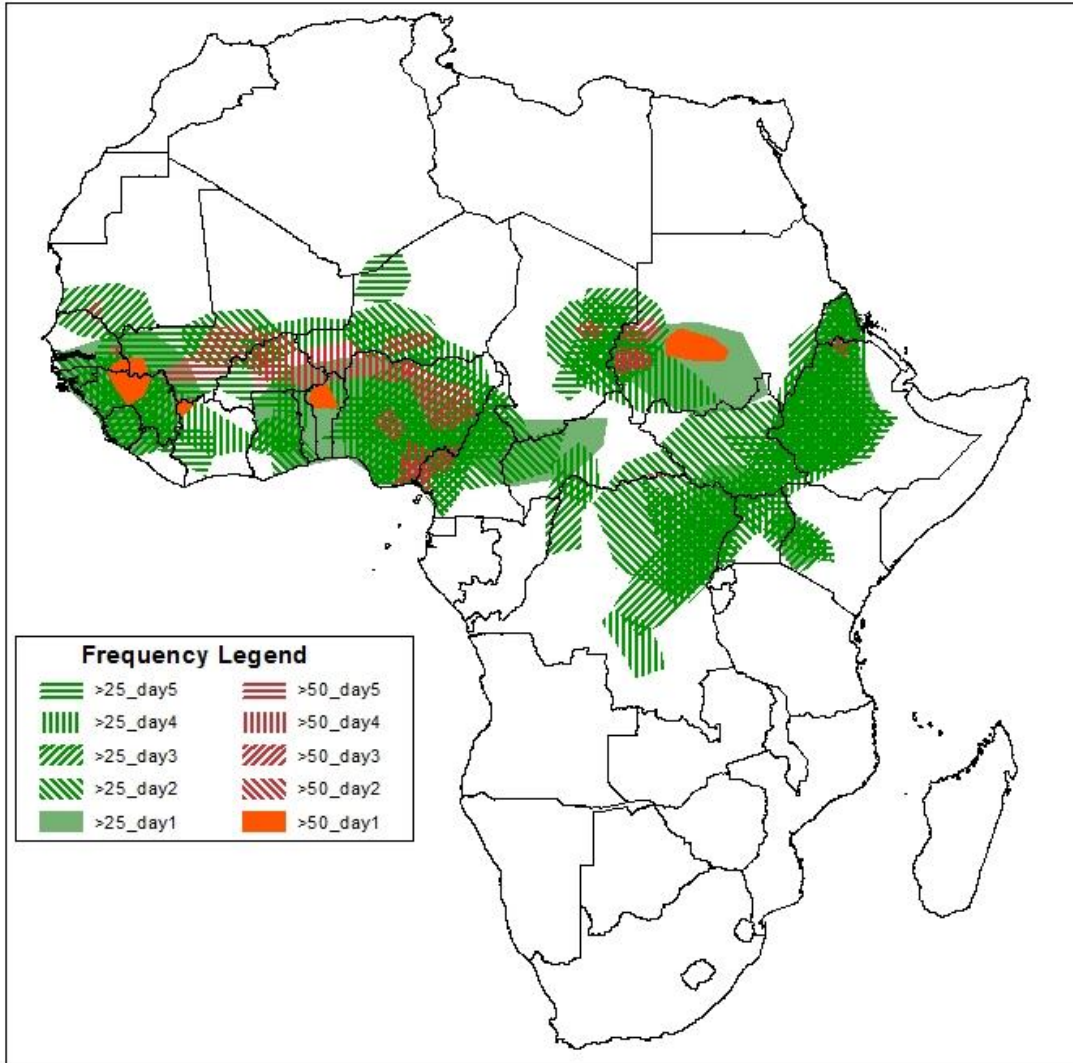
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on August 20, 2018)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: August 21, – August 25, 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 21 August - 25 August, 2018.

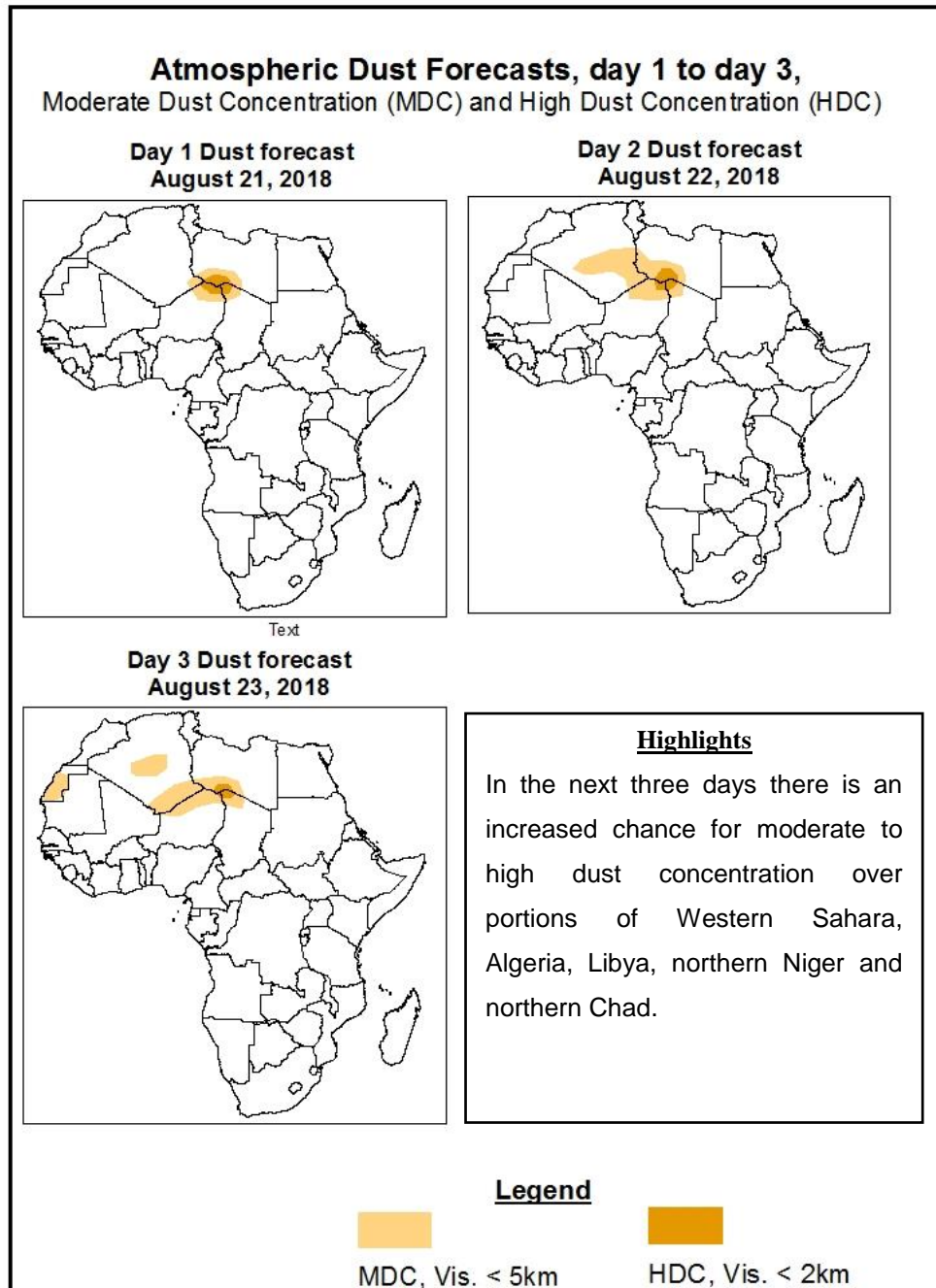


Highlights

- In the next five days, westward propagating cyclonic circulations across West Africa, active lower-level wind convergences in the Sahel and Lake Victoria regions, including portions of the Greater Horn of Africa are expected to enhance rainfall.
- There is an increased chance for 2 or more days of moderate to heavy rainfall over many places in the Gulf of Guinea countries and the neighboring areas of the Sahel region, eastern Chad, Sudan, portions of the Lake Victoria region, Ethiopia and Eritrea.
- There is an increased chance for higher heat index values across northern Mauritania, northern Mali and southern Algeria.

1.2. Atmospheric Dust Concentration Forecasts (valid: August 18 – August 20, 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: August 18 – August 22, 2018

The Azores High Pressure system over the North Atlantic Ocean is expected to intensify during the forecast period. The central pressure value increased from 1029hPa to 1032hPa in the forecast period.

The St. Helena High Pressure system over the Southeast Atlantic Ocean is expected to intensify in the forecast period. The central pressure values increased from 1036hPa to 1040hPa in the forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to intensify during the forecast period. The central pressure value increased from 1032hPa to 1036hPa.

The thermal low near northeastern Mali and southern Algeria is expected to maintain an average central pressure value of 1004hPa during the forecast period, whereas the central pressure value associated with thermal low near Chad is expected to fill up from about 1006hPa to 1009hPa during the forecast period.

At 925hPa, dry strong northeasterly to easterly wind is expected to prevail across northern Africa and the neighboring areas of the Sahel region. In contrast, moist southwesterly flow from the Atlantic Ocean is expected to prevail across much of the Gulf of Guinea countries and the neighboring areas of the Sahel region.

At 850hPa, a cyclonic circulation over Northeast Mali is expected to propagate towards Mauritania during the forecast period. A zonal wind convergence is expected to remain active across the Sahel region during the forecast period. Moist southwesterly flow from the Gulf of Guinea region, with its associated lower-level wind Convergence in Sudan and western Ethiopia is expected to enhance rainfall in the region. Lower-level meridional wind convergence is expected to remain active near the Lake Victoria region during the forecast period.

At 700-hPa, A cyclonic circulation with its associated trough is expected to propagate westwards in the region between southern Chad southern Mali during the forecast period.

At 500-hPa, a broad area of strong wind (>30kts), associated with African Easterly Jet, is expected to prevail in the region between Mauritania and western Niger during the forecast period.

In the next five days, westward propagating cyclonic circulations across West Africa, active lower-level wind convergences in the Sahel and Lake Victoria region, including portions of the Greater Horn of Africa are expected to enhance rainfall.

There is an increased chance for 2 or more days of moderate to heavy rainfall over many places in the Gulf of Guinea countries and the neighboring areas of the Sahel region, eastern Chad, Sudan, portions of the Lake Victoria region, Ethiopia and Eritrea.

There is an increased chance for higher heat index values across northern Mauritania, northern Mali and southern Algeria.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (August 19, 2018)

Moderate to locally heavy rainfall was observed over parts of Algeria, Tunisia, Mali, Guinea, Sierra Leone, Liberia, Cote d'Ivoire, Niger, Nigeria, Cameroon, Chad, CAR, Congo, DRC, Sudan, South Sudan, Eritrea and Ethiopia.

2.2. Weather assessment for the current day (August 20, 2018)

Intense convective clouds are observed over parts of Algeria, Mauritania, Liberia, Burkina Faso, Togo, Benin, Niger, Nigeria, Cameroon, Chad, CAR, DRC, Uganda, Sudan, South Sudan, Eritrea and Ethiopia.

