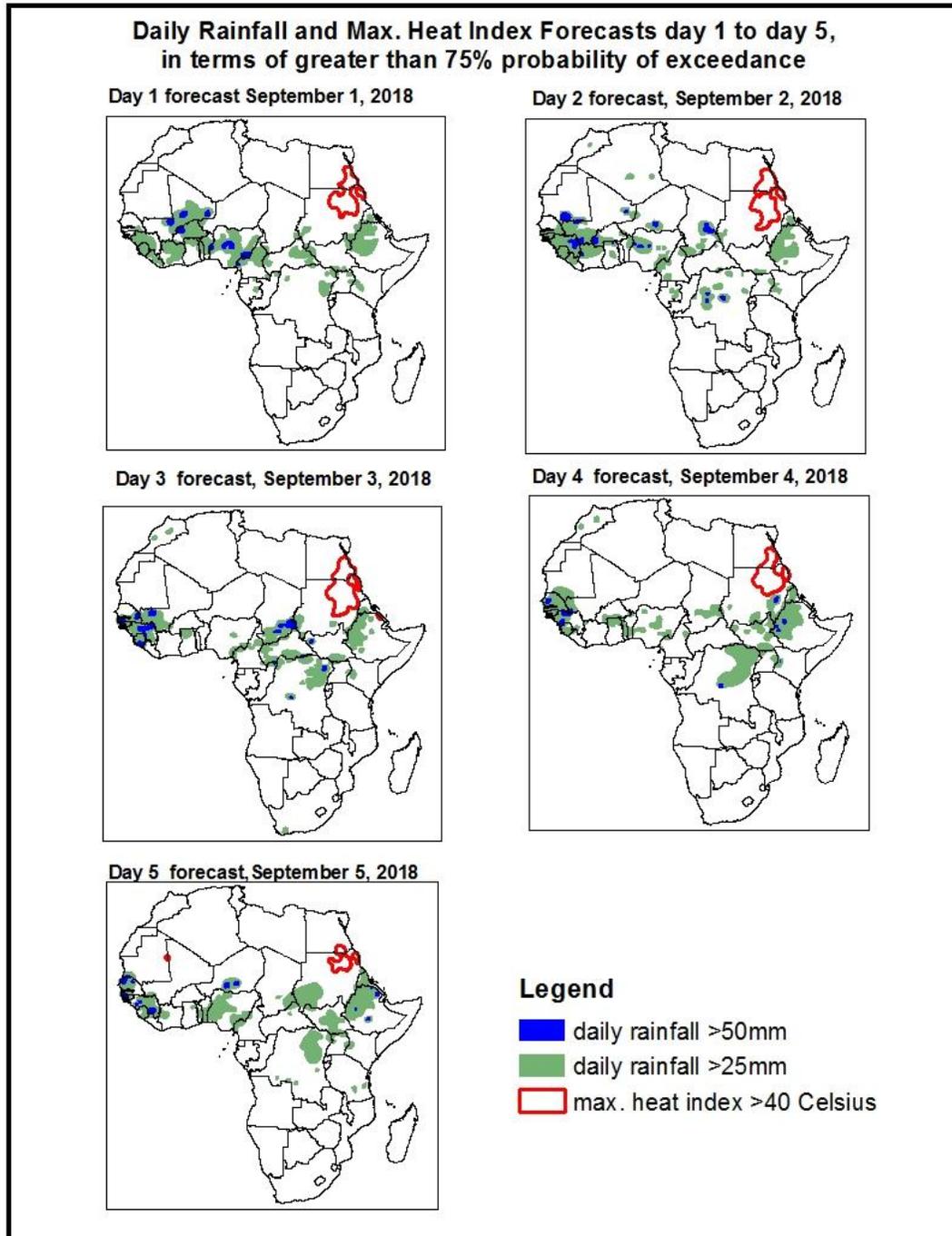


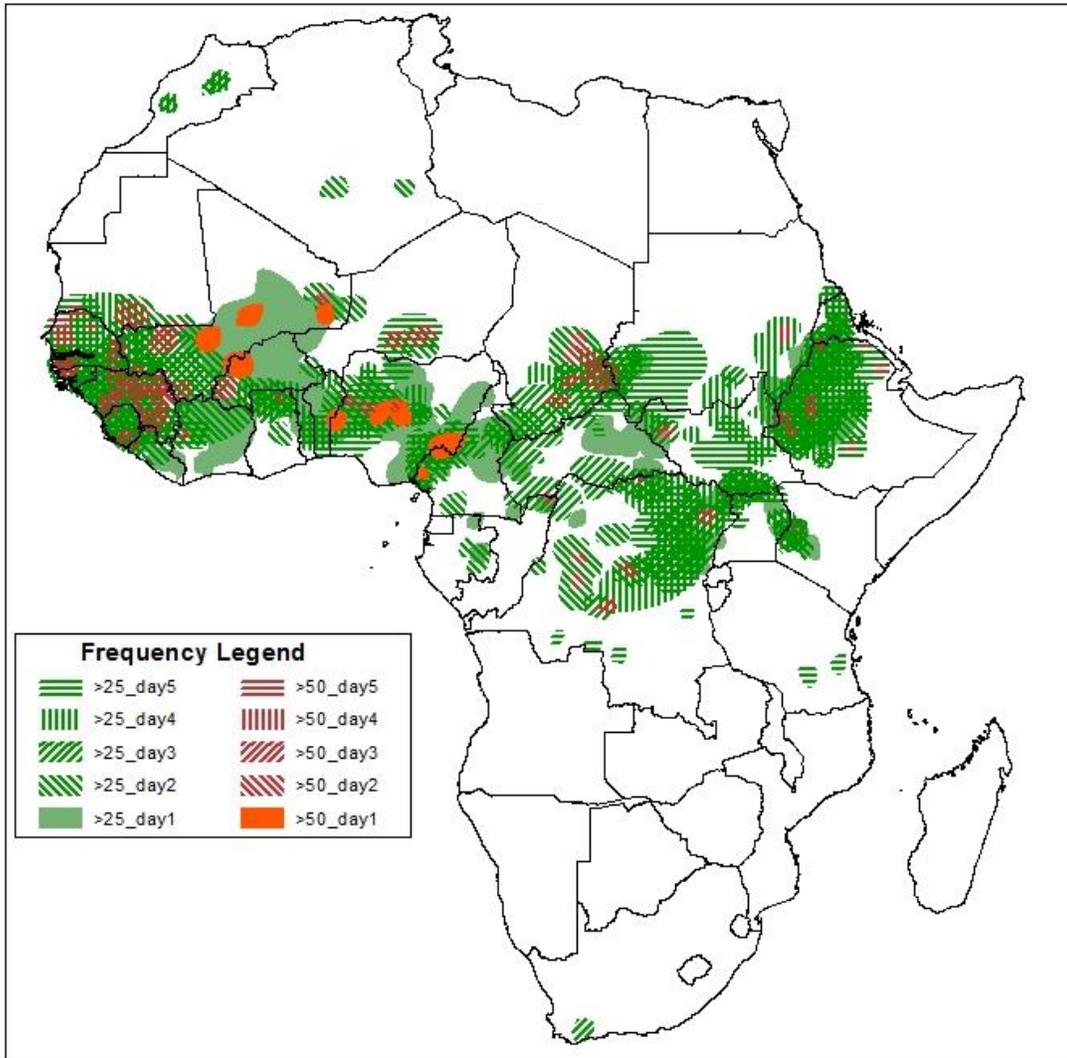
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on August 31, 2018)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Sep 1, – Sept 5, 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 1 September - 5 September, 2018.

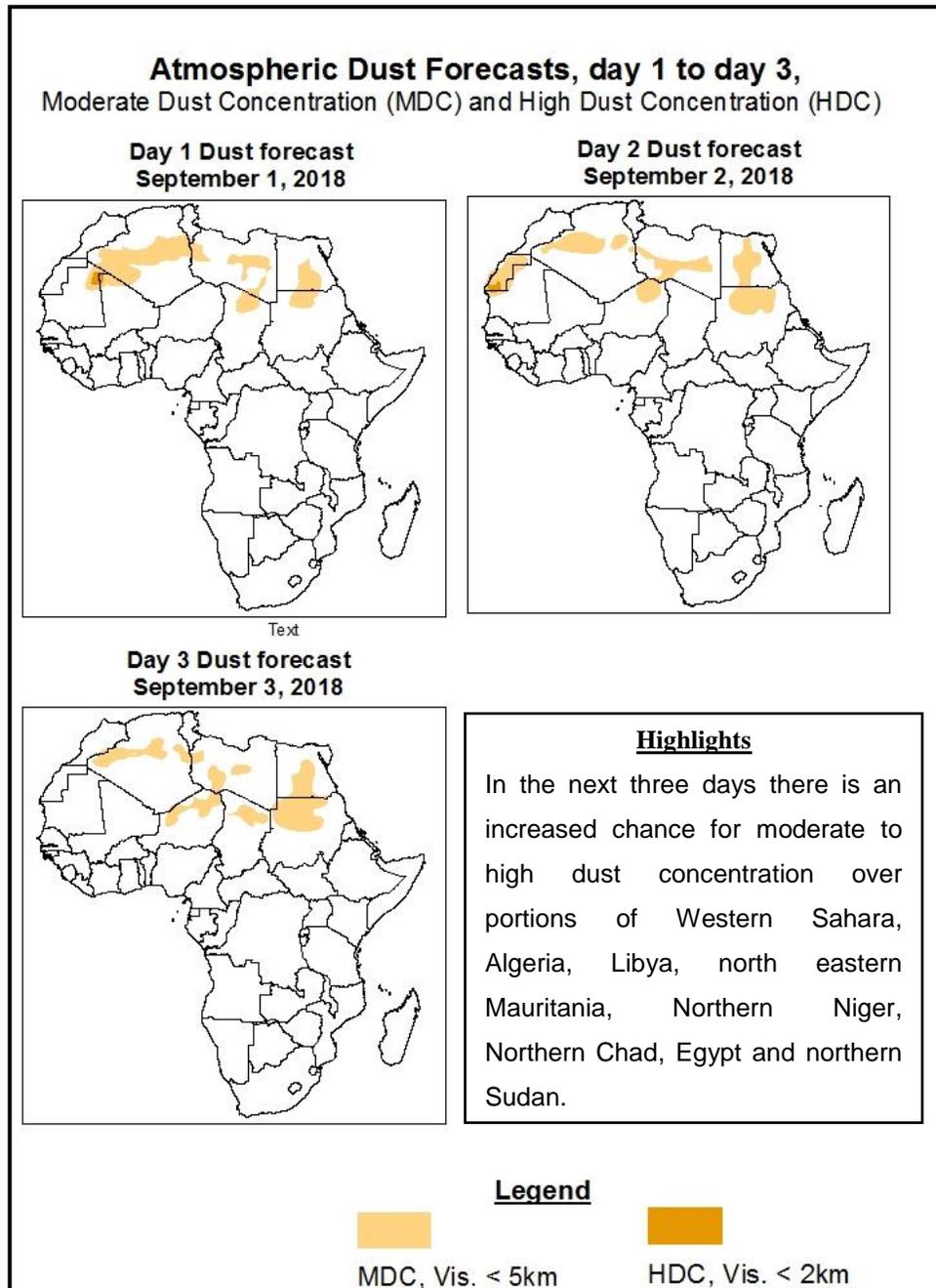


Highlights

- In the next five days, westward propagating lower-level cyclonic systems across West and Central Africa, active lower-level wind convergences in the Lake Victoria and the Greater Horn of Africa regions are expected to enhance rainfall.
- There is an increased chance for 2 or more days of moderate to heavy rainfall over many places in West and Central Africa, and portions of the Greater Horn of Africa.
- There is an increased chance for high heat index values over local areas in south eastern Egypt and North eastern Sudan.

1.2. Atmospheric Dust Concentration Forecasts (valid: September 1 – September 3, 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: September 1 – September 5, 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 1024hPa to 1025hPa in the forecast period.

The St. Helena High Pressure system over the Southeast Atlantic Ocean is expected to intensify during the forecast period. The central pressure value is expected to increase from 1026hPa to 1041hPa during the forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to remain quasi stationary during the forecast period. The central pressure value is 1039hPa.

Thermal low over northwestern Mali and eastern Mauritania is expected to shift over to western Mauritania while it is filling. Its central pressure value is expected to increase from about 1004hPa to 1010hPa through 96 hours. A thermal low across Chad and Niger are also expected to maintain an average central pressure value of 1007hPa during the forecast period.

At 925hPa, dry strong northeasterly to easterly flow is expected to prevail over northwestern and northern Africa, and portions of northeastern Africa. In contrast, moist southwesterly to westerly monsoon flow from the Atlantic Ocean is expected to remain active across much of the Gulf of Guinea countries and the neighboring areas of the Sahel region.

At 850hPa, a cyclonic circulation over across Burkina Faso and Ghana is expected to shift westwards, reaching the West Africa Coast towards end of the forecast period, while another cyclonic circulation is expected to deepen across Central Africa Republic, Sudan and the neighboring areas of Chad during the forecast period. Moist southwesterly to westerly flow from the Gulf of Guinea region, with its associated lower-level wind Convergence in Sudan and 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 trough over Cote d'Ivoire and Ghana is expected to propagate westward leaving the West Africa coast towards end of the forecast period.

In the next five days, westward propagating lower-level cyclonic systems across West and Central Africa, active lower-level wind convergences in the Lake Victoria and the Greater Horn of Africa regions are expected to enhance rainfall. There is an increased chance for 2 or more days of moderate to heavy rainfall over many places in West and Central Africa, and portions of the Greater Horn of Africa. There is an increased chance for high heat index values over local areas in South eastern Egypt and North eastern Sudan.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (August 30, 2018)

Moderate to locally heavy rainfall was observed over parts of Mauritania, Senegal, Gambia, Mali, Guinea Bissau, Guinea, Sierra Leone, Liberia, Burkina Faso, Ghana, Togo, Benin, Niger, Nigeria, Cameroon, Chad, CAR, DRC, Sudan, South Sudan and Ethiopia.

2.2. Weather assessment for the current day (August 31, 2018)

Intense convective clouds are observed over parts of Algeria, Mali, Burkina Faso, Liberia, Cote d'Ivoire, Ghana, Benin, Niger, Nigeria, Cameroon, Chad, CAR, DRC, Sudan, South Sudan, Uganda, Sudan, South Sudan, Eritrea and Ethiopia.

