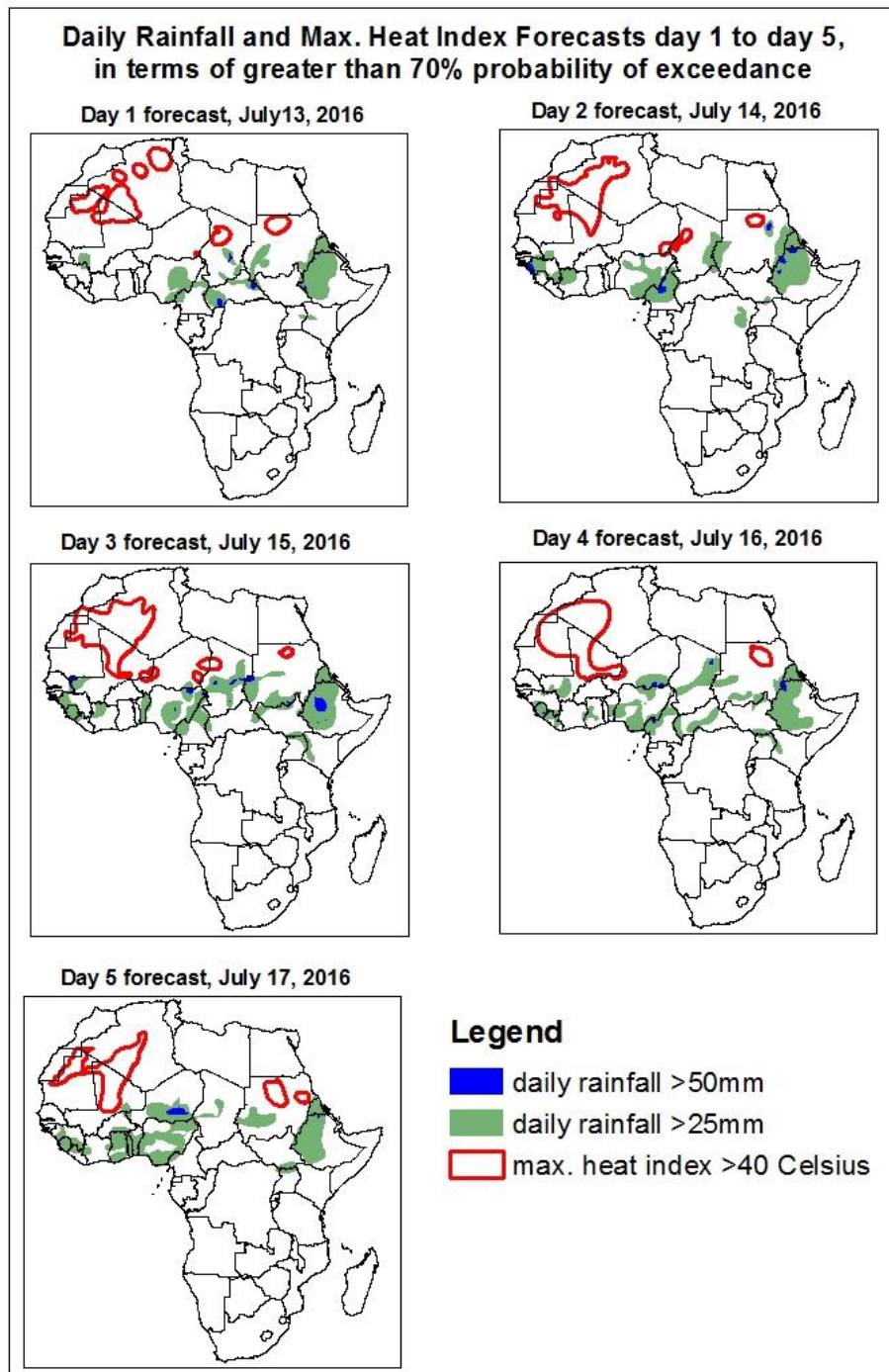


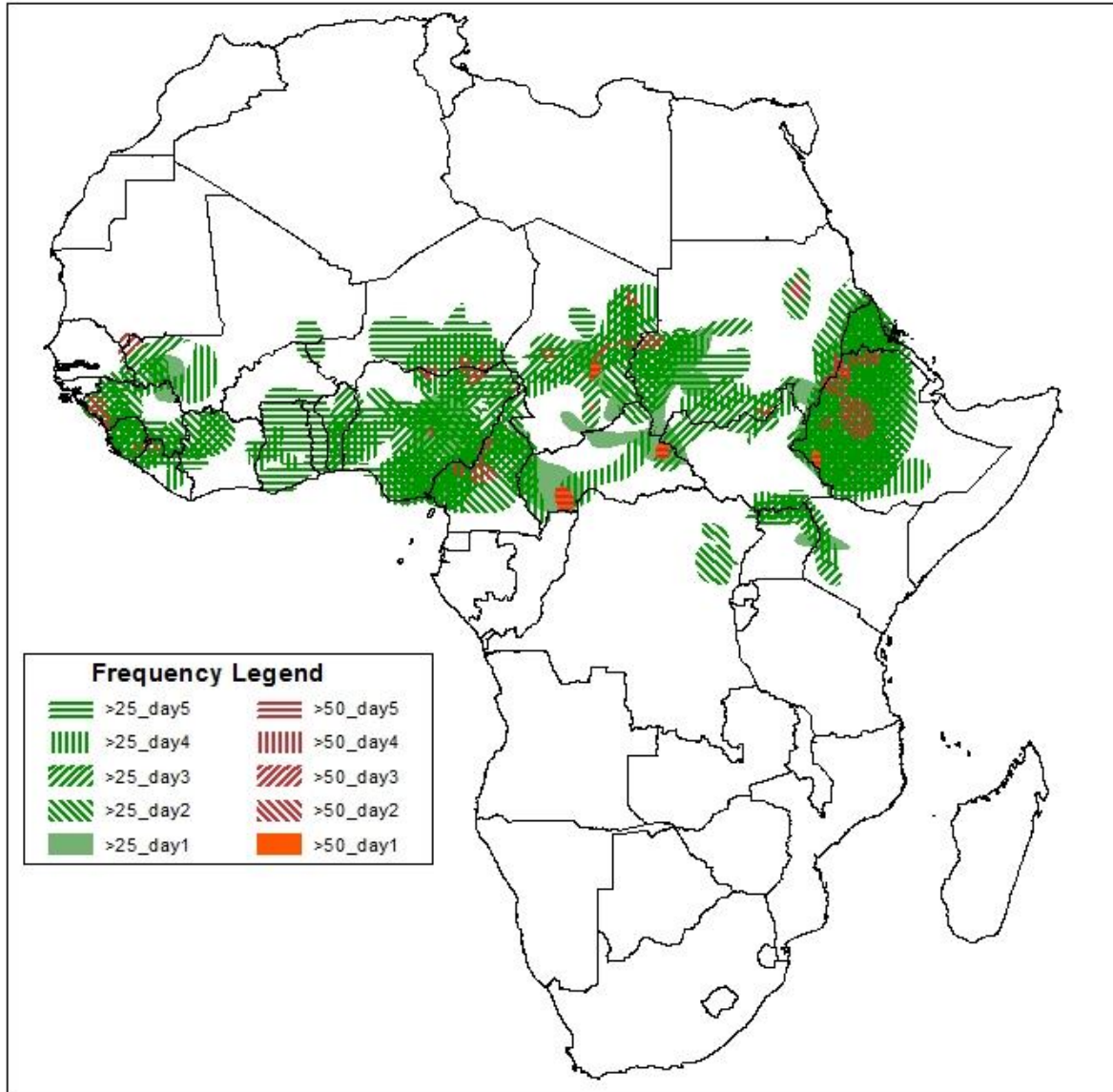
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on July 12, 2016)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: July 13– July 17 2016)

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 July 13- July 17 2016

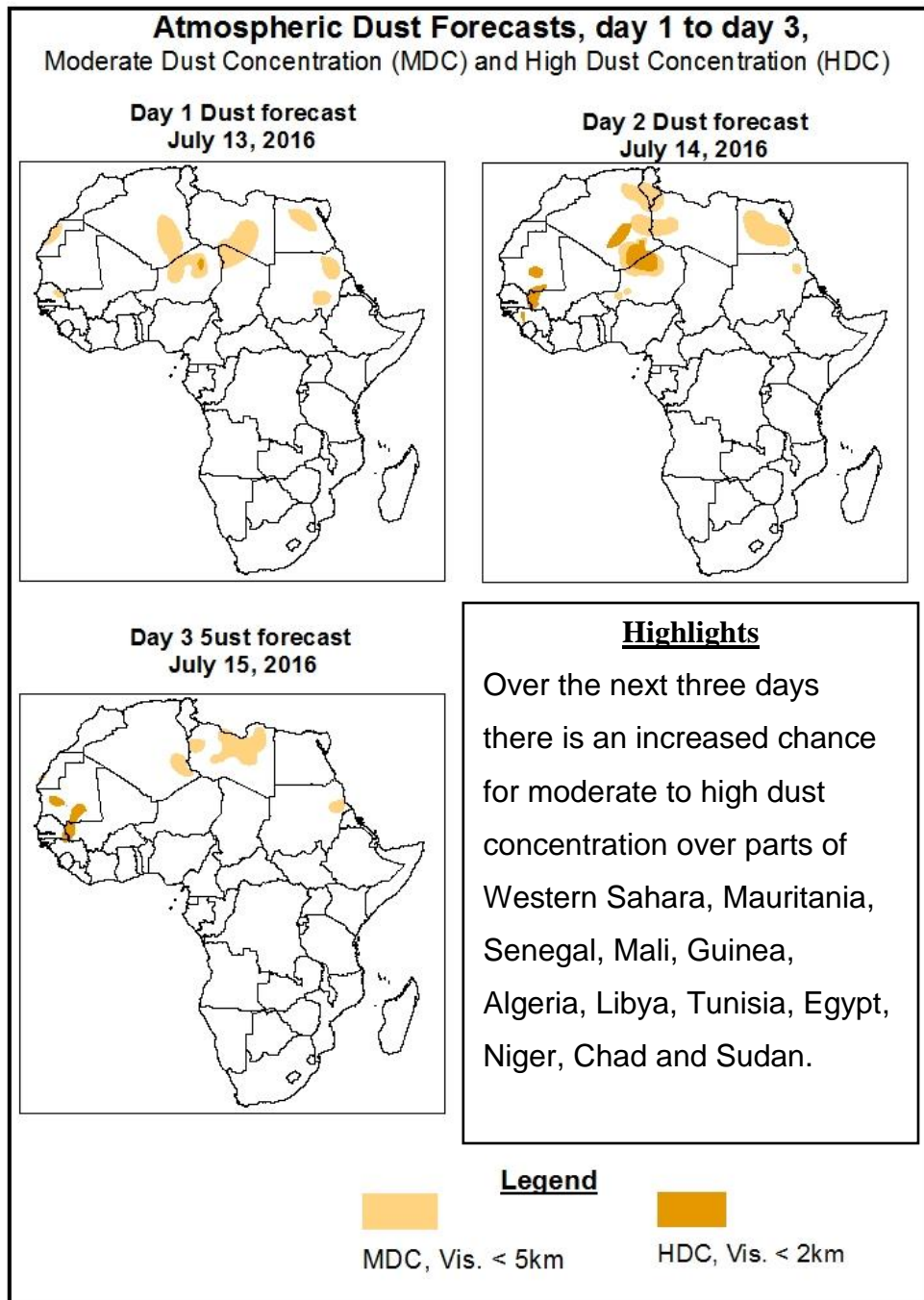


Highlights

Over the next five days, onshore winds with their associated lower-level convergence are expected to enhance rainfall across the southwestern portion of West Africa. Lower-level wind convergences are also expected to enhance rainfall across the Central and eastern Sahel countries, and portions of the Greater Horn of Africa. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over local areas of western Mali, portions of Guinea, Sierra Leone, portions of Liberia and Cote d'Ivoire, western Ghana, southern Niger, portions of Nigeria, Cameroon, Chad, CAR, Sudan, South Sudan, northern Uganda, and Ethiopia, western Kenya and Eritrea.

1.2. Atmospheric Dust Concentration Forecasts (valid: July 13– July 15, 2016)

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: July 13–July 17, 2016

The Azores high pressure system over the Northeast Atlantic is expected to maintain average central pressure value of 1024-hPa through 24 to 72 hours, and it tends to intensify, with its central pressure value increasing from 1020-hPa to 1024-hPa through 96 to 120 hours.

The St. Helena High pressure system over the Southeast Atlantic Ocean is expected to intensify, with its central pressure value increasing from 1024-hPa to 1025-hPa through 24 to 48 hours, and tends to maintain average central pressure value of 1024-hPa through 72 to 120 hours.

The Mascarene high pressure system over the Southwest Indian Ocean is expected to weaken, with its central pressure value decreasing from 1032-hPa to 1022h-Pa through 24 to 96 hours.

The 1016mb isobar, associated with the East African ridge is expected to remain near the latitudes of Ethiopia during the forecast period. The anticyclonic ridge associated with the St. Helena high pressure system is expected to extend northwards across the Atlantic Ocean, with the 1016hPa isobar remaining near the Gulf of Guinea coast during the forecast period. This may help to maintain enhanced rainfall across portions of West Africa.

The heat low in the western Sahel is expected to maintain average central pressure of 1006-hPa 24 to 96 hours, and is expected to deepen gradually, with its central pressure value decreasing from 1006-hPa to 1003-hPa through 72 hours at 120. The heat low in the central Sahel is expected to deepen gradually, with its central pressure value decreasing from 1009-hPa to 1003-hPa during the forecast period. The central pressure value associated with the heat low across Sudan is expected remain in the range between 1006hPa and 1007hPa during the forecast period.

At 925HPa level an anticyclonic circulation and its associated ridge is expected to prevail across Libya and the neighboring areas during the forecast period. Strong wind may lead to moderate to high dust concentration across portions of Western Sahara, Mauritania, Senegal, Mali, Guinea, Algeria, Libya, Tunisia, Egypt, Niger, Chad and Sudan.

At 850hPa level, a strong zonal wind convergence is expected to prevail in the region between Mali and Sudan, while a dry northerly flow is expected to prevail across the western end of West Africa at 24 to 120 hours.

Over the next five days, onshore winds with their associated lower-level convergence are expected to enhance rainfall across the southwestern portion of West Africa. Lower-level wind convergences are also expected to enhance rainfall across the Central and eastern Sahel countries, and portions of the Greater Horn of Africa. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over local areas of western Mali, portions of Guinea, Sierra Leone, portions of Liberia and Cote d'Ivoire, western Ghana, southern Niger, portions of Nigeria, Cameroon, Chad, CAR, Sudan, South Sudan, northern Uganda, and Ethiopia, western Kenya and Eritrea.

There is an increased chance for maximum heat index to exceed 40°C over local areas of Western Sahara, Mauritania, Mali, Algeria, Niger, Chad and Sudan.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (July 11, 2016)

Moderate to locally heavy rainfall was observed over local areas of western Guinea, portions of Mali, Sierra Leone, Cote D'Ivoire, Burkina Faso, Niger and Ghana, north Togo, central Benin, portions of Nigeria, Cameroon, Chad, CAR, Sudan and South Sudan, local areas of Congo, north DRC, portions of Uganda, western Kenya, portions of Eritrea and Ethiopia.

2.2. Weather assessment for the current day (July 12, 2016)

Intense convective clouds are observed over local areas of western Guinea, portions of Sierra Leone, local areas of southern Niger, portions of Nigeria and Cameroon, local areas of southern Chad, portions of CAR, Gabon, Congo, DRC, Sudan, South Sudan, Eritrea and Ethiopia.

