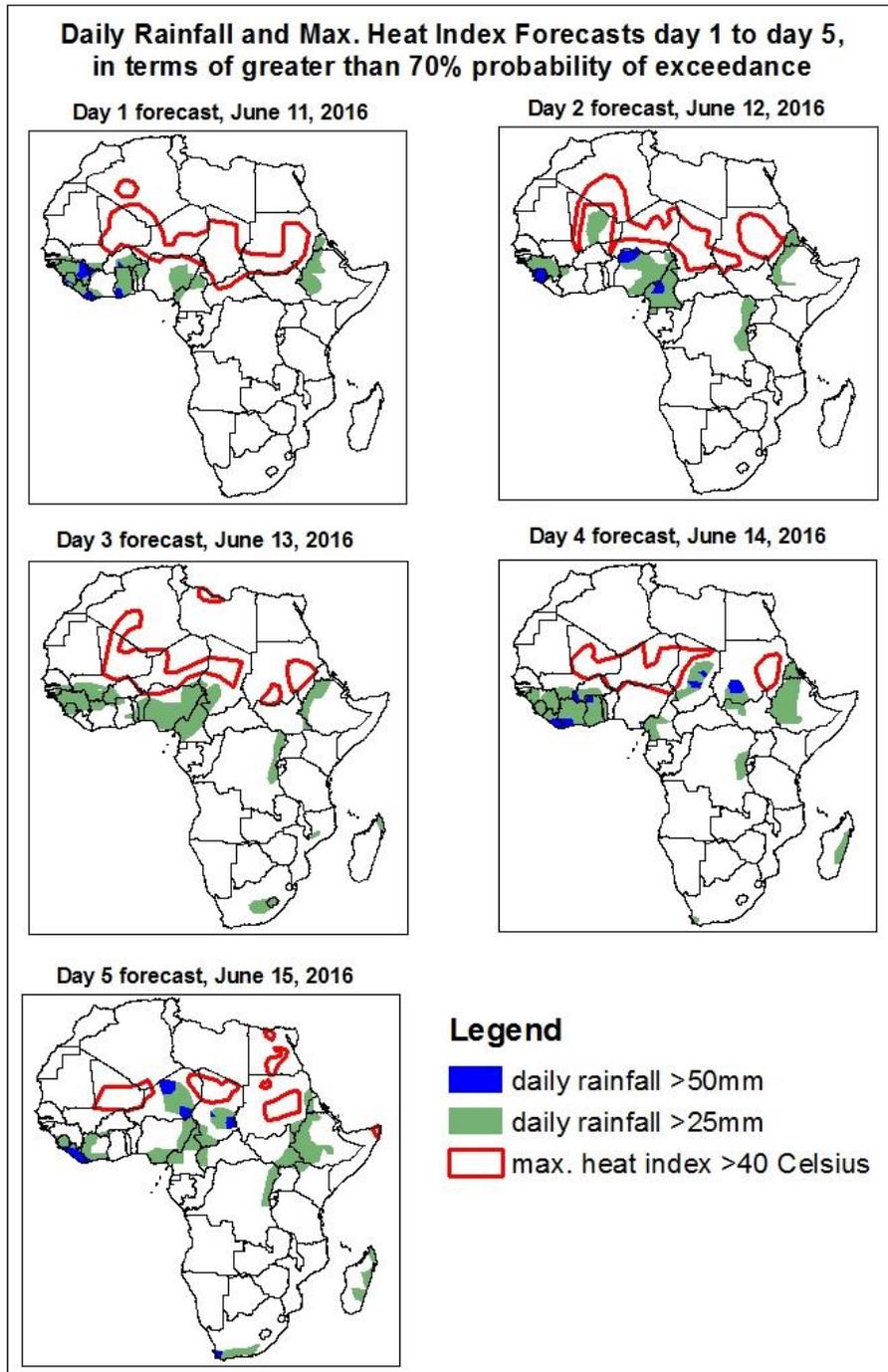


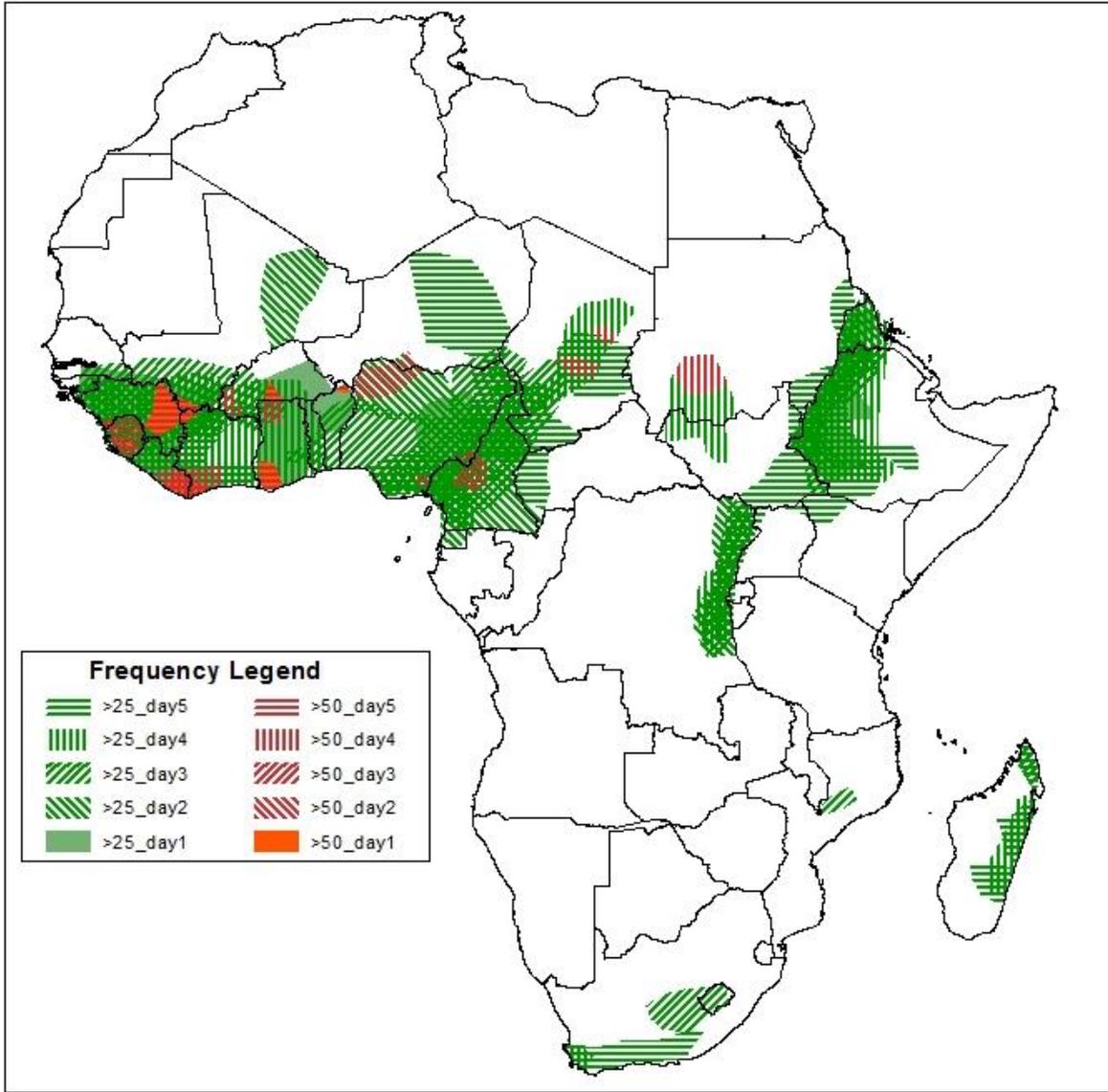
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on June 10, 2016)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: June 11– June 14, 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 June 11 - June 15 2016

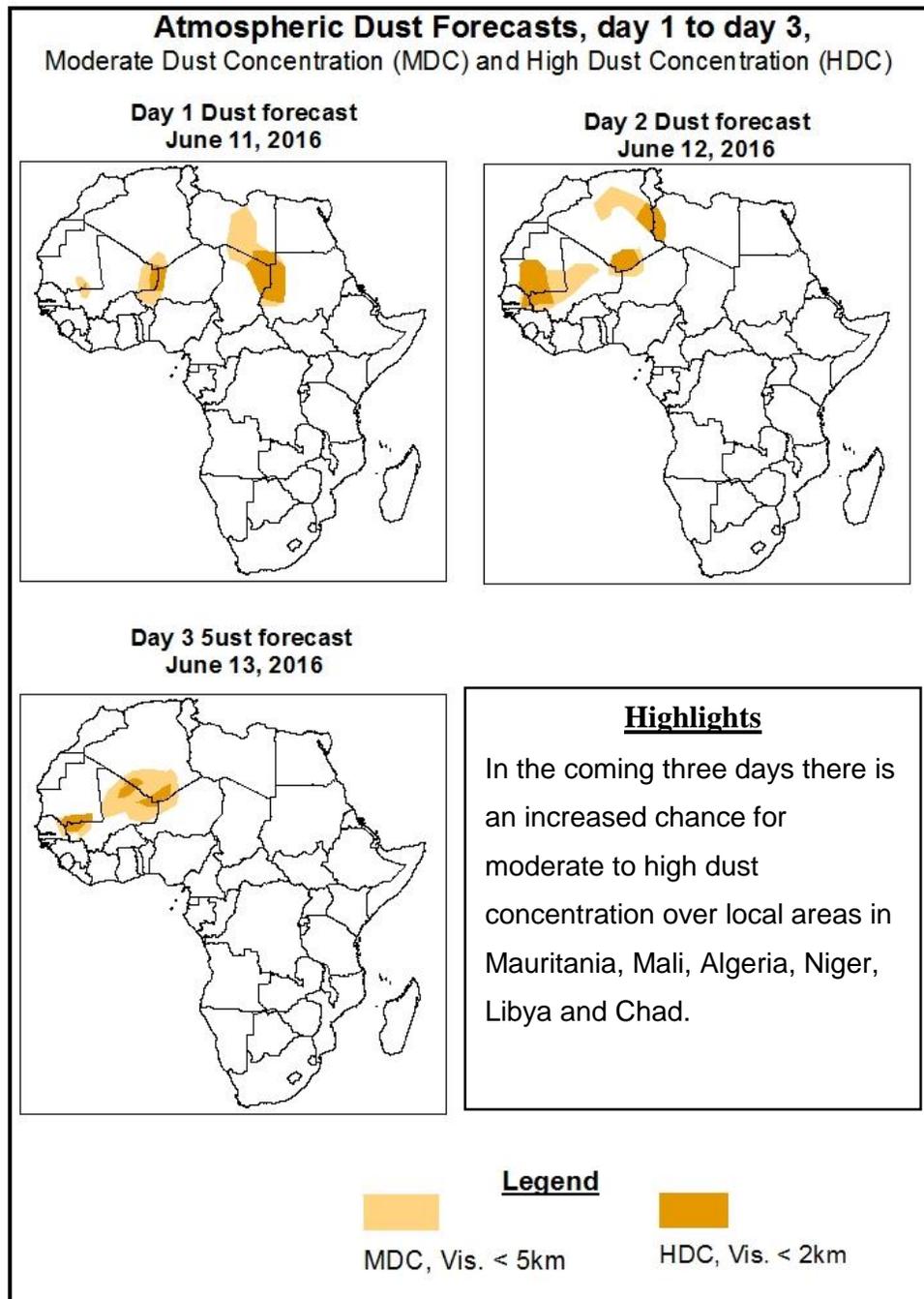


Highlights

In the coming five days, lower level-wind convergences associated with the West African monsoon flow, combined with westward propagating convective systems across Central and West Africa are expected to enhance rainfall in the region. Active Congo Air Boundary (CAB) in the Lake Victoria region and local wind convergences are also expected to enhance rainfall in their respective regions. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over southern Senegal, Guinea, southern Mali, portions of Burkina Faso, Sierra Leona, Liberia, Cote d'Ivoire, Ghana, portions of Nigeria, Cameroon, portions of Chad, southern Sudan, eastern DRC, eastern Madagascar, Eritrea, and portions of Ethiopia.

1.2. Atmospheric Dust Concentration Forecasts (valid: June 10 – June 11 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: June 11–June 15, 2016

The Azores high pressure system over the Northeast Atlantic Ocean is expected to intensify, with its central pressure value increasing from about 1020hPa to 1024hPa during 48 to 96hours.

The St. Helena High pressure system over the Southeast Atlantic Ocean is expected to intensify while shifting eastwards; with its central pressure value increasing from 1022hPa to 1035hPa through 24 to 48 hours, and it tends to maintain an average central pressure value of 1025hPa 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 1027hPa to 1020hPa through 24 to 72 hours, and it tends to intensify towards end of the forecast period.

The 1016hPa isobar, associated with East African ridge is expected to extend northwards up to northern 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 reaching the Gulf of Guinea coast during the forecast period. This may lead to increase in rainfall across portions of West Africa.

The central pressure values associated with heat lows throughout the western Sahel is expected fill up, with its central pressure increasing from 1005hPa to 1007hPa during 24 to 72 hours, while the heat low over the central Sahel is expected to maintain an average central pressure value of 1009hPa during 24 to 120 hours. The central pressure values associated with the heat low across Sudan is expected to vary in the range between 1008hPa and 1009hPa during the forecast period.

At 925HPa level, the anticyclonic circulation and its associated ridge across Algeria is expected to shift towards Egypt and the neighboring areas, while intensifying during the forecast period. Strong winds may lead to moderate to high dust concentration across portions of in Mauritania, Mali, Algeria, Niger, Libya and Chad.

At 850hPa level, a zonal wind convergence is expected to prevail in the region between Mali and Sudan, while dry northerly flow is expected to prevail across the western end of West Africa during 24 to 96 hours.

At 700hPa level, northeasterly to easterly flow is expected to prevail across much of the Gulf of Guinea region, with wind speed occasionally exceeding 30kts over parts of the Gulf of Guinea region during the forecast period. This will help to propagate convective activities southwestward into the western portions of the Gulf of Guinea region.

In the coming five days, lower level-wind convergences associated with the West African monsoon flow, combined with westward propagating convective systems across Central and West Africa are expected to enhance rainfall in the region. Active Congo Air Boundary (CAB) in the Lake Victoria region and local wind convergences are also expected to enhance rainfall in their respective regions. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over southern Senegal, Guinea, southern Mali, portions of Burkina Faso, Sierra Leone, Liberia, Cote d'Ivoire, Ghana, portions of Nigeria, Cameroon, portions of Chad, southern Sudan, eastern DRC, eastern Madagascar, Eritrea, and portions of Ethiopia.

There is an increased chance for maximum heat index to exceed 40°C over local areas in portions of Mali, Burkina Faso, northern Nigeria, Niger, Chad and portions of Sudan.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (June 9, 2016)

Moderate to locally heavy rainfall was observed over Guinea, southern Mali, Sierra Leone, Liberia, Cote d'Ivoire, southern Niger, Burkina Faso, Ghana, Togo, Benin, portions of Nigeria, local areas in Chad, portions of Sudan, South Sudan, western Ethiopia and local areas in South Africa.

2.2. Weather assessment for the current day (June 10, 2016)

Intense convective clouds are observed over western Burkina Faso, Ghana, Cote d'Ivoire, north DRC, and South Sudan.

