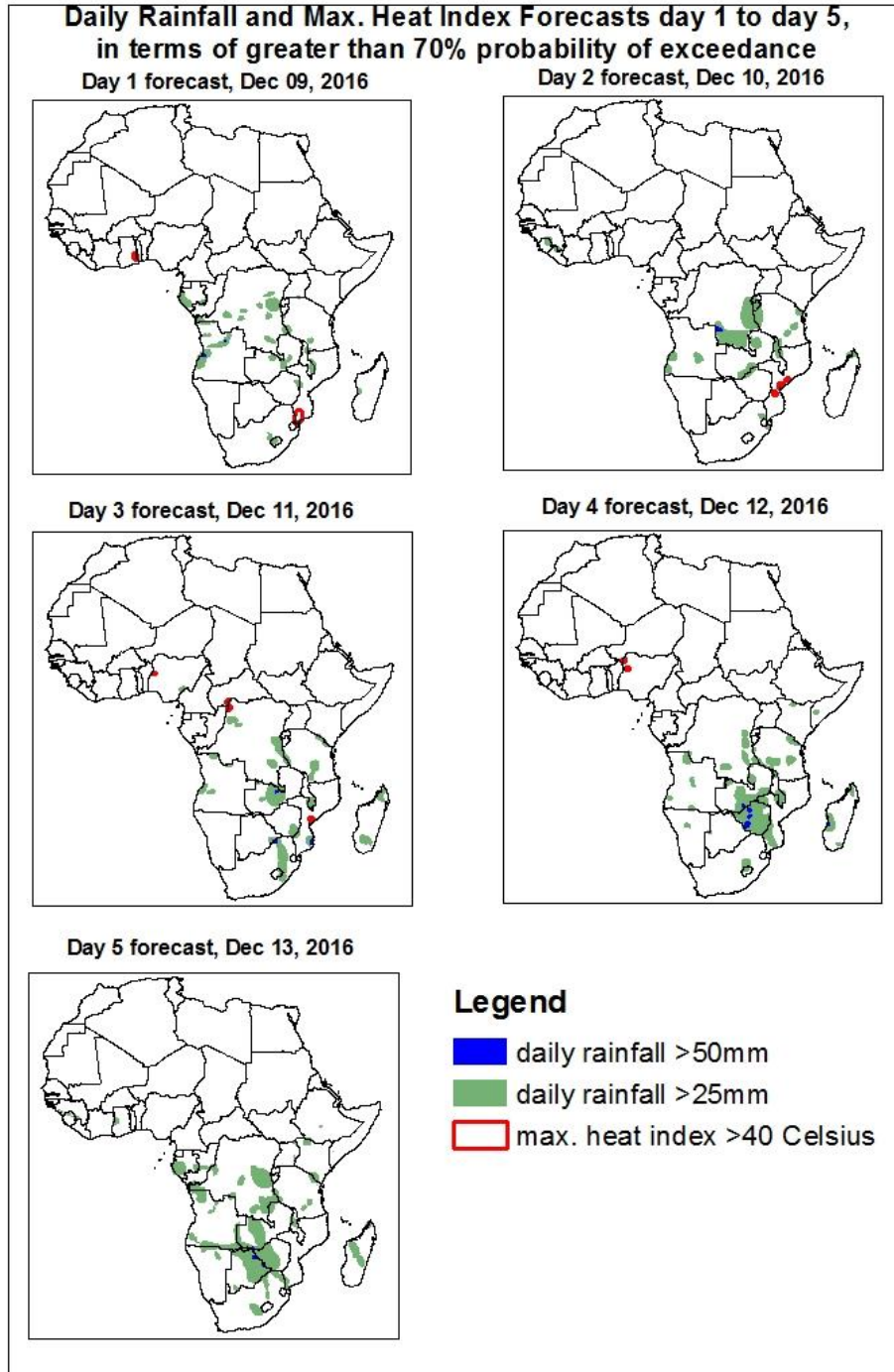


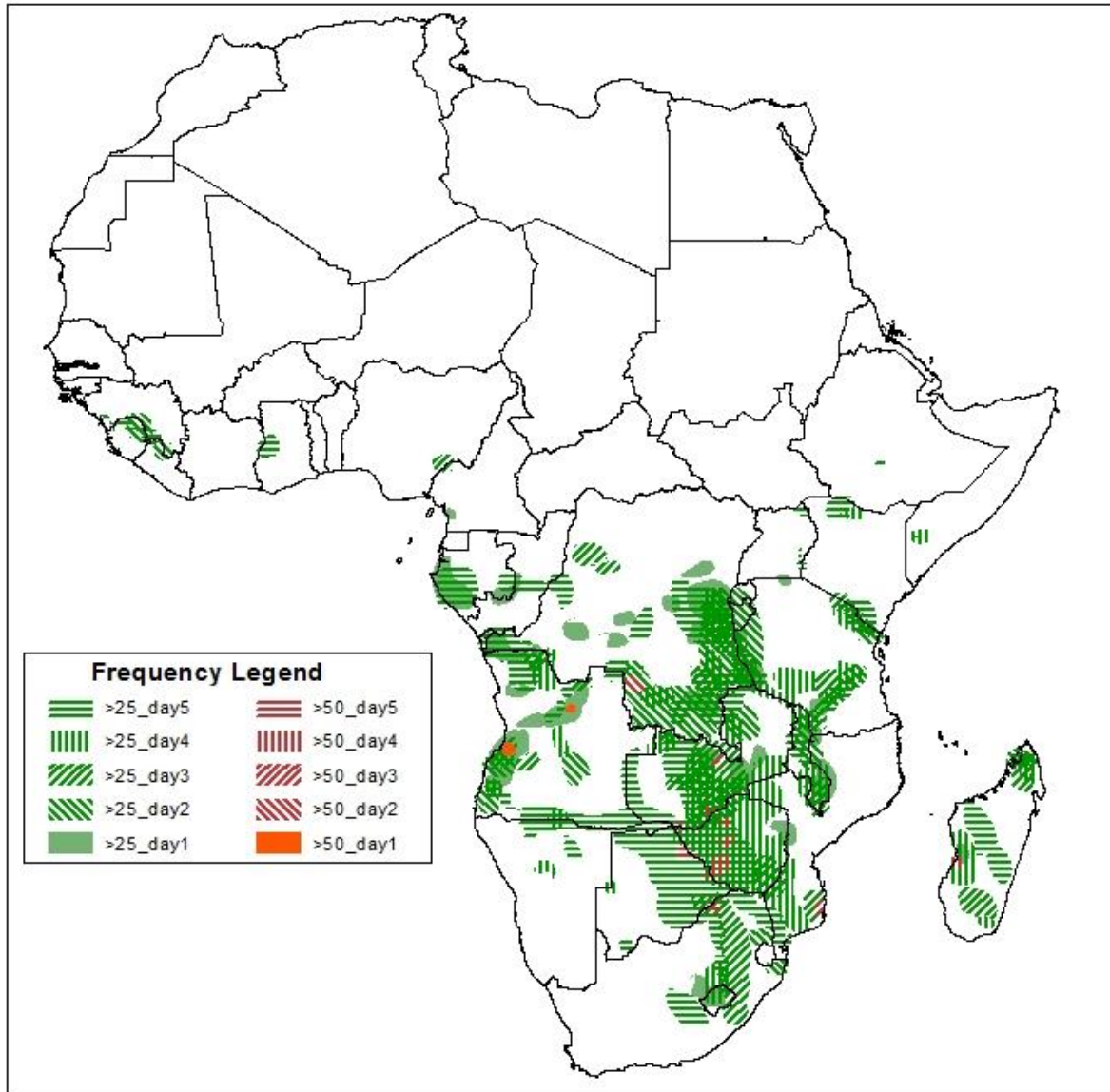
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on Dec 08, 2016)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Dec 09– Dec 13, 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 Dec 09 - Dec 13, 2016

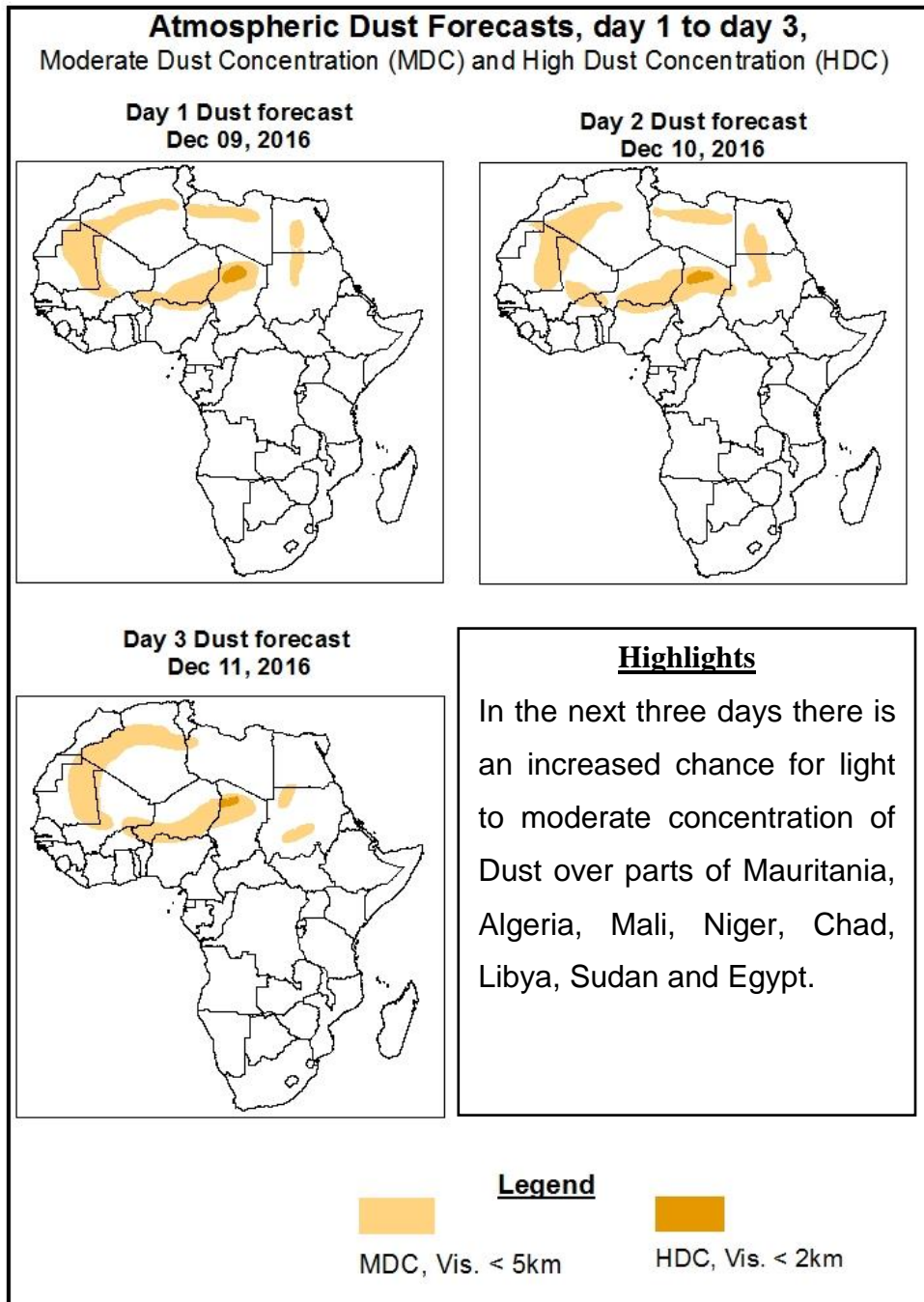


Highlights

In the next five days, lower level wind convergences across the Northern parts of the Southern Africa countries are expected to enhance rainfall in their respective regions. Therefore, there is an increased chance for two or more days of light to moderate rainfall over portion of Gabon, DRC, Angola, Zambia, Tanzania, Malawi, Zimbabwe, South Africa, Lesotho and Madagascar.

1.2. Atmospheric Dust Concentration Forecasts (valid: Dec 09– Dec 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: Dec 09–Dec 13, 2016

The Sub-Tropical High Pressure system over the Libya is expected to weaken, with its value of the central pressure decreasing from 1035hPa to 1025hPa during remaining forecast period.

The St. Helena High Pressure system over the Southeast of the Atlantic Ocean is expected to intensify, with its value of the central pressure increasing from 1022hPa to 1027hPa for the next 96 hours, weakening to 1022hPa during the remaining forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to intensify, with its value of the central pressure increasing from 1026hPa to 1031hPa for the next 96 hours, weakening to 1027hPa during the remaining forecast period.

At 925hPa, strong dry Northerly to Easterly winds may lead from light to moderate dust concentration over parts of Mauritania, Algeria, Mali, Niger, Chad, Northern Nigeria, Burkina Faso, Senegal, Morocco, Libya, Sudan and Egypt.

At 850hPa level, lower level wind convergences are expected to prevail over Congo, CAR, DRC, Gambia, Angola, Botswana, Namibia, South Sudan, and Ethiopia.

In the next five days, lower level wind convergences across the Northern parts of the Southern Africa countries are expected to enhance rainfall in their respective regions. Therefore, there is an increased chance for two or more days of light to moderate rainfall over portion of Gabon, DRC, Angola, Zambia, Tanzania, Malawi, Zimbabwe, South Africa, Lesotho and Madagascar.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (Dec 07, 2016)

Light to moderate rainfall was observed over portion of Nigeria, Gabon, Congo and South Africa.

2.2. Weather assessment for the current day (Dec 08, 2016)

Intense convective clouds are observed over portions of Nigeria, Cameroon, Gabon, Congo, DRC, Angola, Tanzania, Zambia, Mozambique, South Africa, Lesotho, Swaziland and Madagascar.

