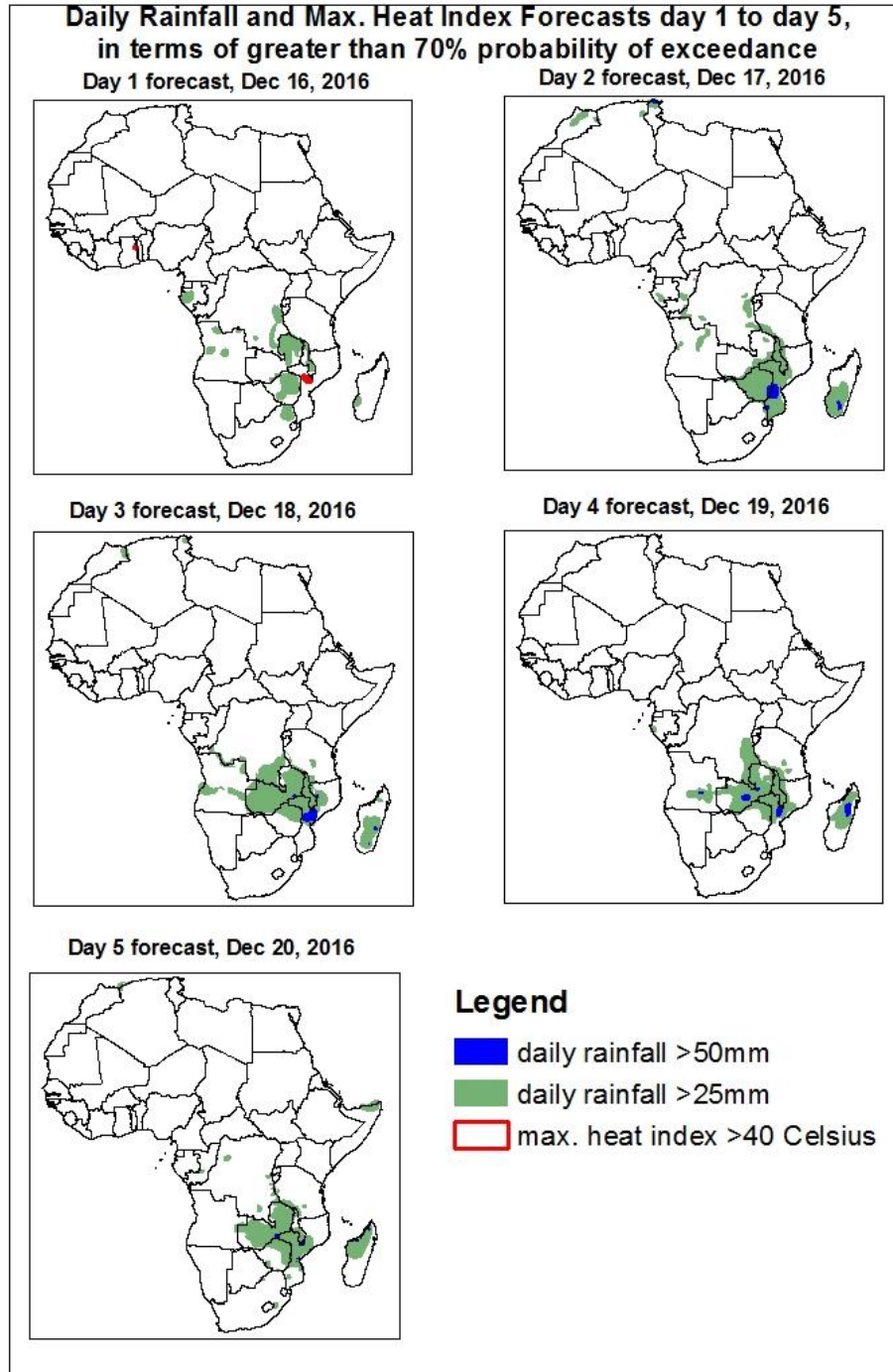


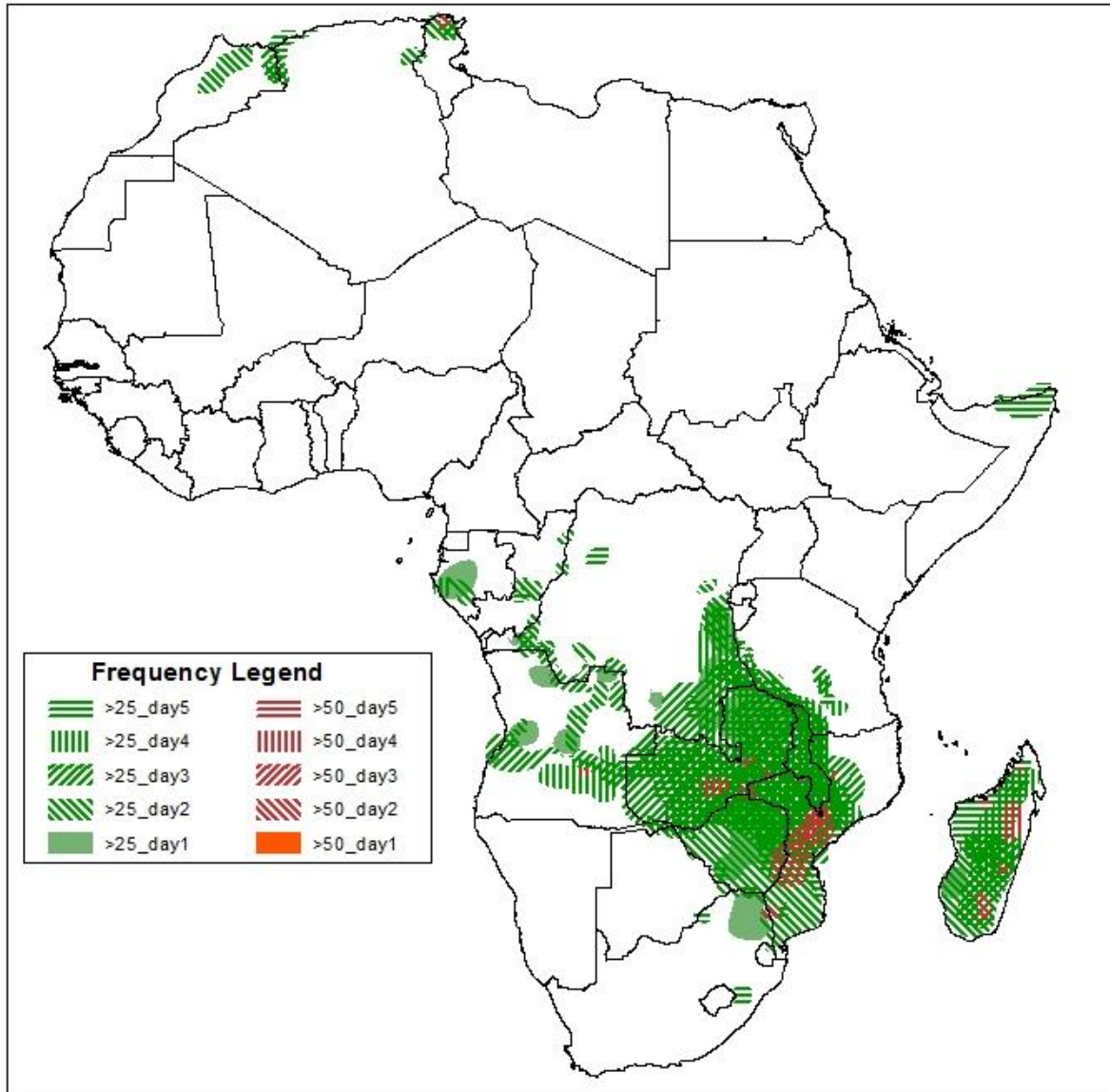
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on Dec 15, 2016)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Dec 16 – Dec 20, 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 16 - Dec 20, 2016

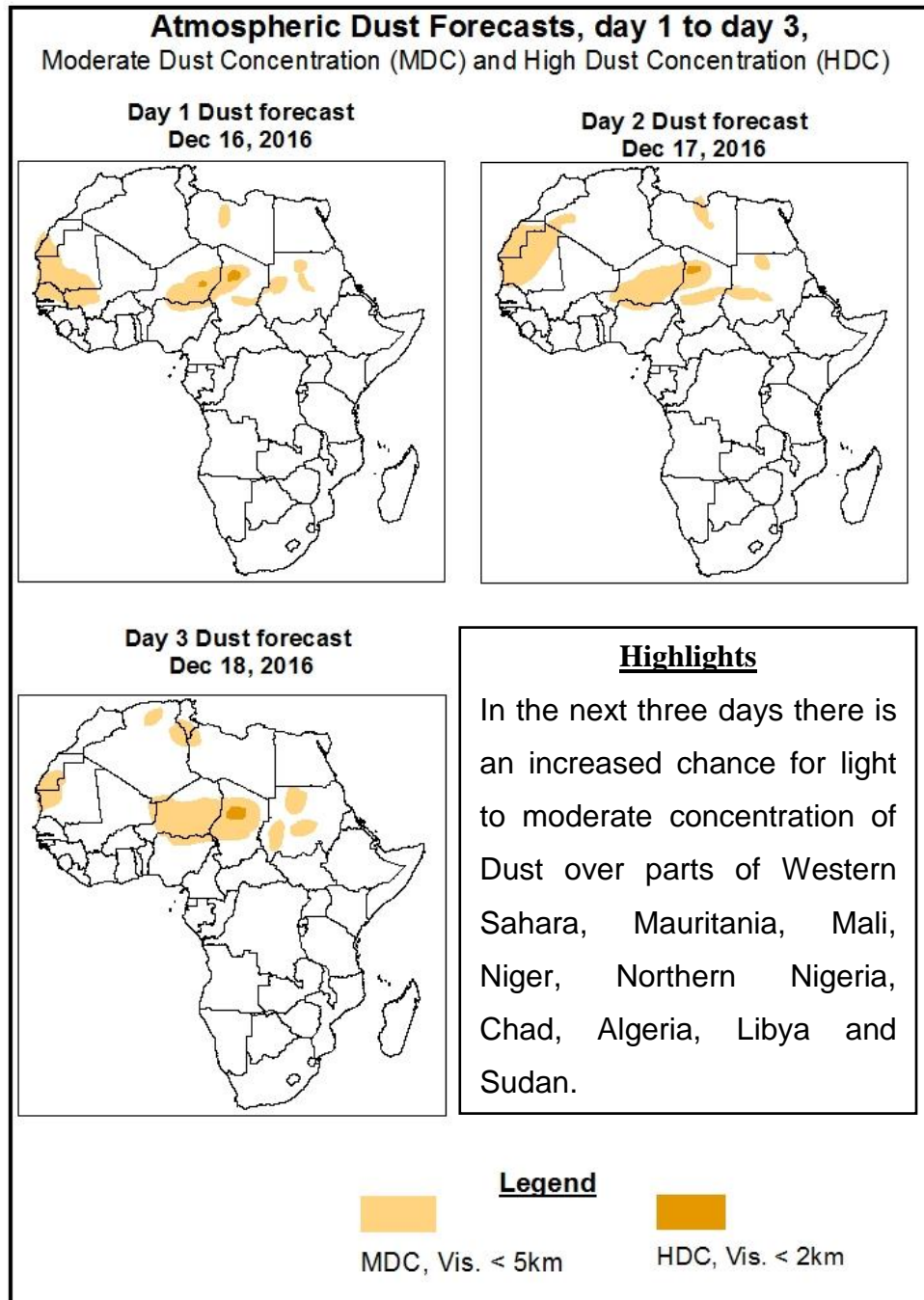


Highlights

In the next five days, lower level wind convergences across the Northern parts of the South African 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 Zambia, Zimbabwe, Malawi, Mozambique and Madagascar, local area of Gabon, DRC, Angola, Tanzania and Somalia.

1.2. Atmospheric Dust Concentration Forecasts (valid: Dec 16 – Dec 18, 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 16–Dec 20, 2016

The Azores High Pressure system over the North Atlantic Ocean is expected to weaken, with its value of the central pressure decreasing from 1035hPa to 1034hPa in the next 48 hours, intensify from 1039hPa to 1043hPa in next 96 hours, and weaken to 1036hPa during the remaining forecast period.

The St. Helena High Pressure system over the Southeast of the Atlantic Ocean is expected to weaken, with its value of the central pressure decreasing from 1029hPa to 1024hPa during the 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 1024hPa to 1025hPa in the next 72 hours, weaken to 1022hPa during the remaining forecast period.

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

At 850hPa level, lower level wind convergences are expected to prevail over Cameroon, CAR, Congo, DRC, Angola, Namibia, Zambia, Namibia, Zimbabwe, Tanzania, South Sudan and Ethiopia.

In the next five days, lower level wind convergences across the Northern parts of the South African 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 Zambia, Zimbabwe, Malawi, Mozambique and Madagascar, local area of Gabon, DRC, Angola, Tanzania and Somalia.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (Dec 14, 2016)

Light to moderate rainfall was observed over portion of DRC, Zimbabwe and Mozambique.

2.2. Weather assessment for the current day (Dec 15, 2016)

Intense convective clouds are observed over portions of Ghana, DRC, Congo, Angola, Zambia, Zimbabwe, Botswana, Namibia, Mozambique, Malawi, South Africa and Madagascar.

