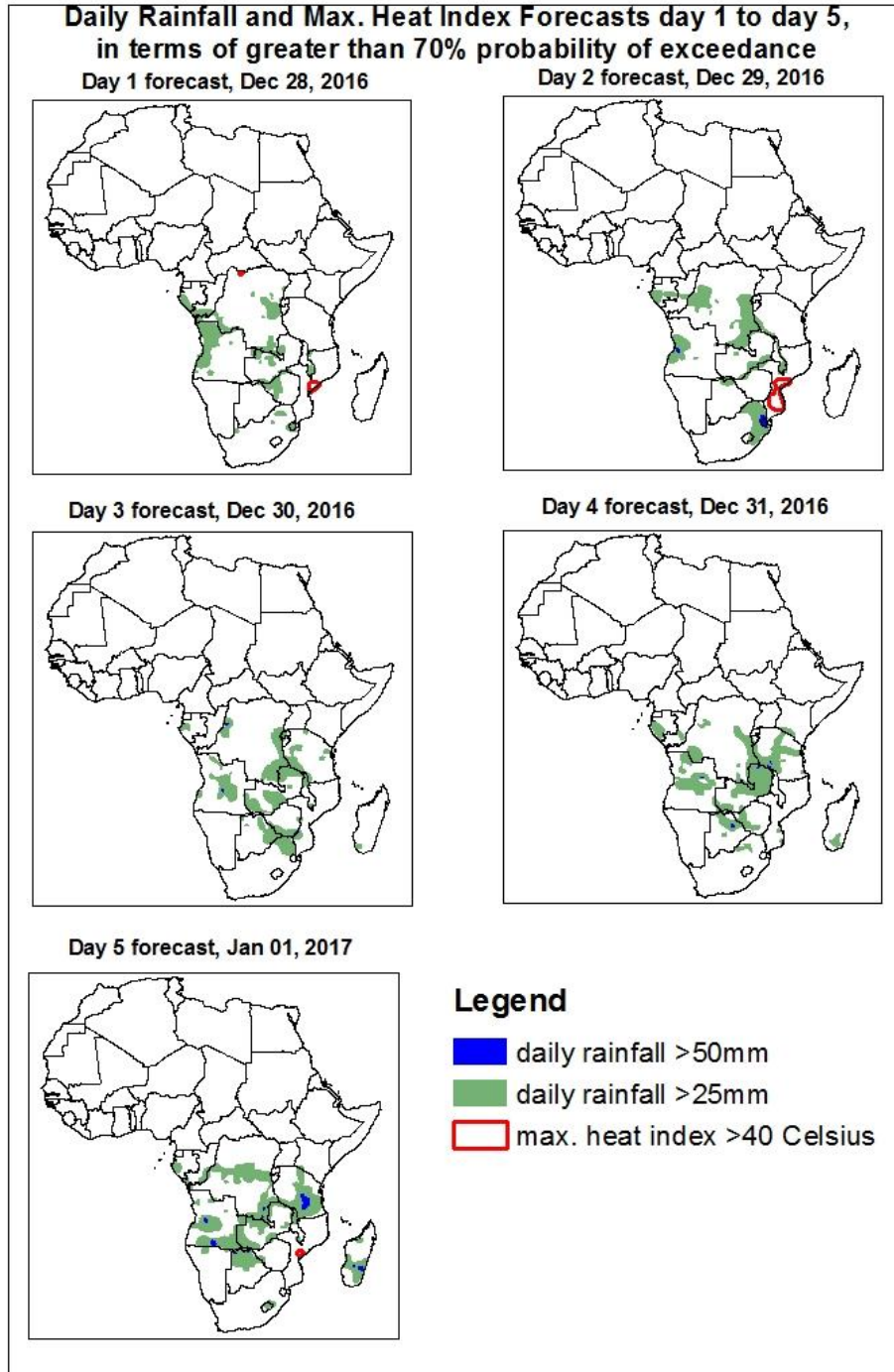


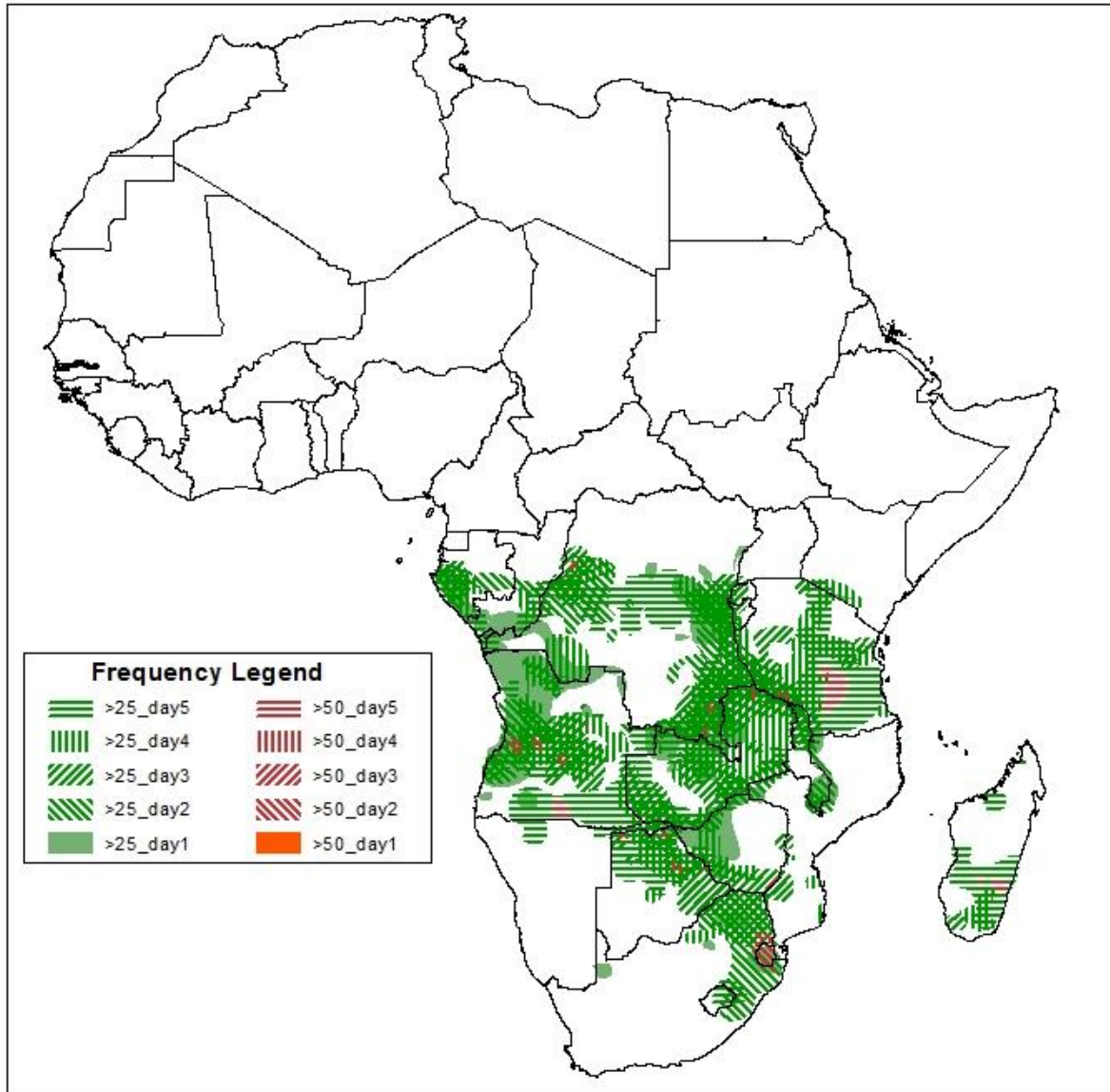
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on Dec 23, 2016)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Dec 28, 2016 – Jan 01, 2017)

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 28, 2016 - Jan 01, 2017

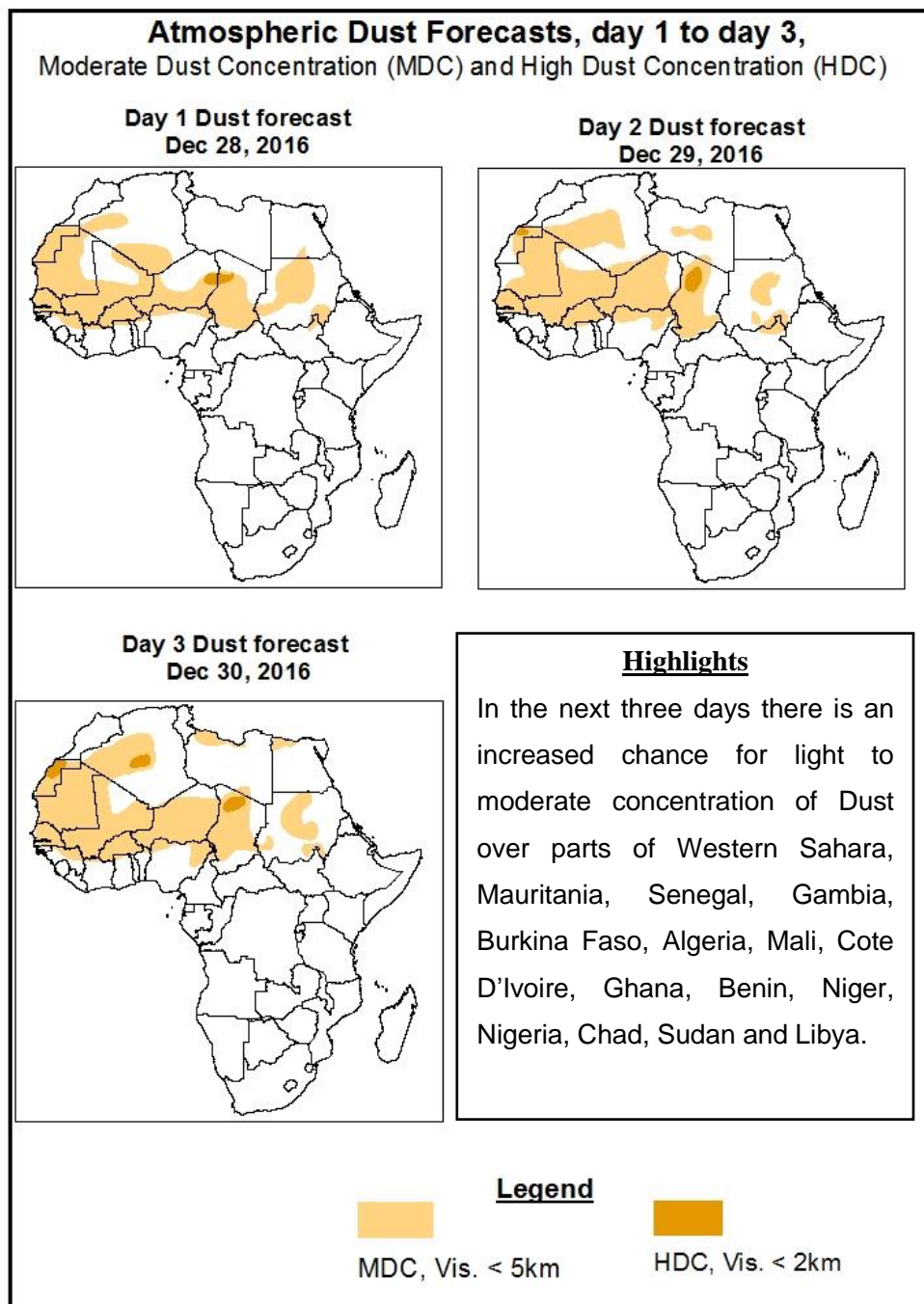


Highlights

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 portions of Angola, Zambia, Tanzania, Malawi and Swaziland, local areas of Gabon, Congo, DRC, Botswana, Zimbabwe, Lesotho, South Africa and Madagascar.

1.2. Atmospheric Dust Concentration Forecasts (valid: Dec 28 – Dec 30, 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 28, 2016–Jan 01, 2017

The Azores High Pressure system over the North Atlantic Ocean is expected to weaken, with its value of the central pressure decreasing from 1028hPa to 1024hPa in the next 72 hours, and intensify to 1030hPa 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 1023hPa to 1016hPa in the next 96 hours, and intensify to 1019hPa during the remaining forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to weaken, with its value of the central pressure increasing from 1027hPa to 1026hPa in the next 48 hours, intensify to 1027hPa in the next 72 hours and later weaken to 1024hPa 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, Mauritania, Senegal, Gambia, Burkina Faso, Algeria, Mali, northern Cote D'Ivoire, northern Ghana, northern Benin, Niger, Nigeria, Chad, Sudan, Libya and Egypt.

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

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 portions of Angola, Zambia, Tanzania, Malawi and Swaziland, local areas of Gabon, Congo, DRC, Botswana, Zimbabwe, Lesotho, South Africa and Madagascar.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (Dec 26, 2016)

Light to moderate rainfall was observed over portions of Gabon, Congo, DRC, Zambia, Namibia, Botswana, Mozambique, South Africa and Madagascar.

2.2. Weather assessment for the current day (Dec 27, 2016)

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

