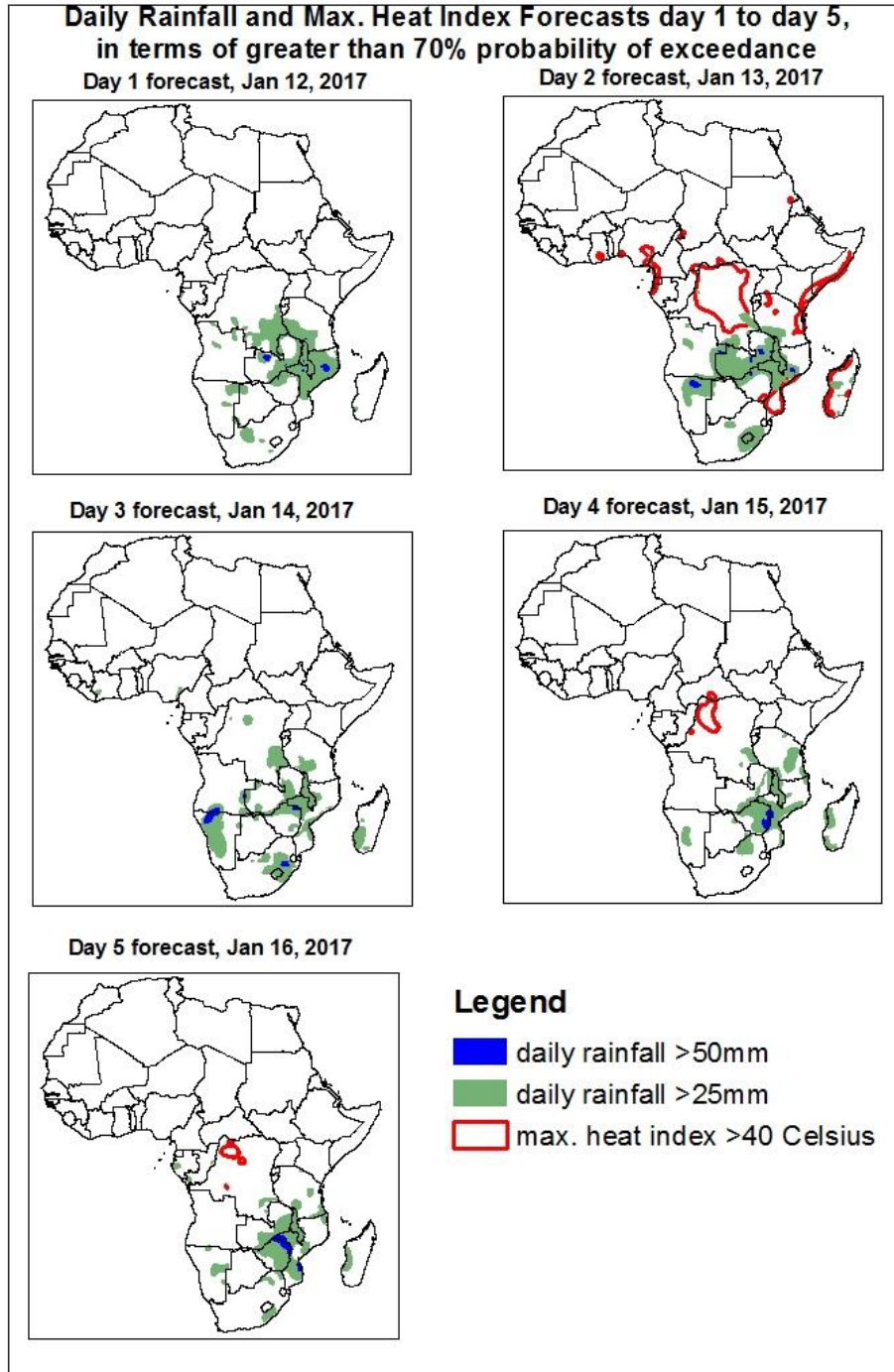


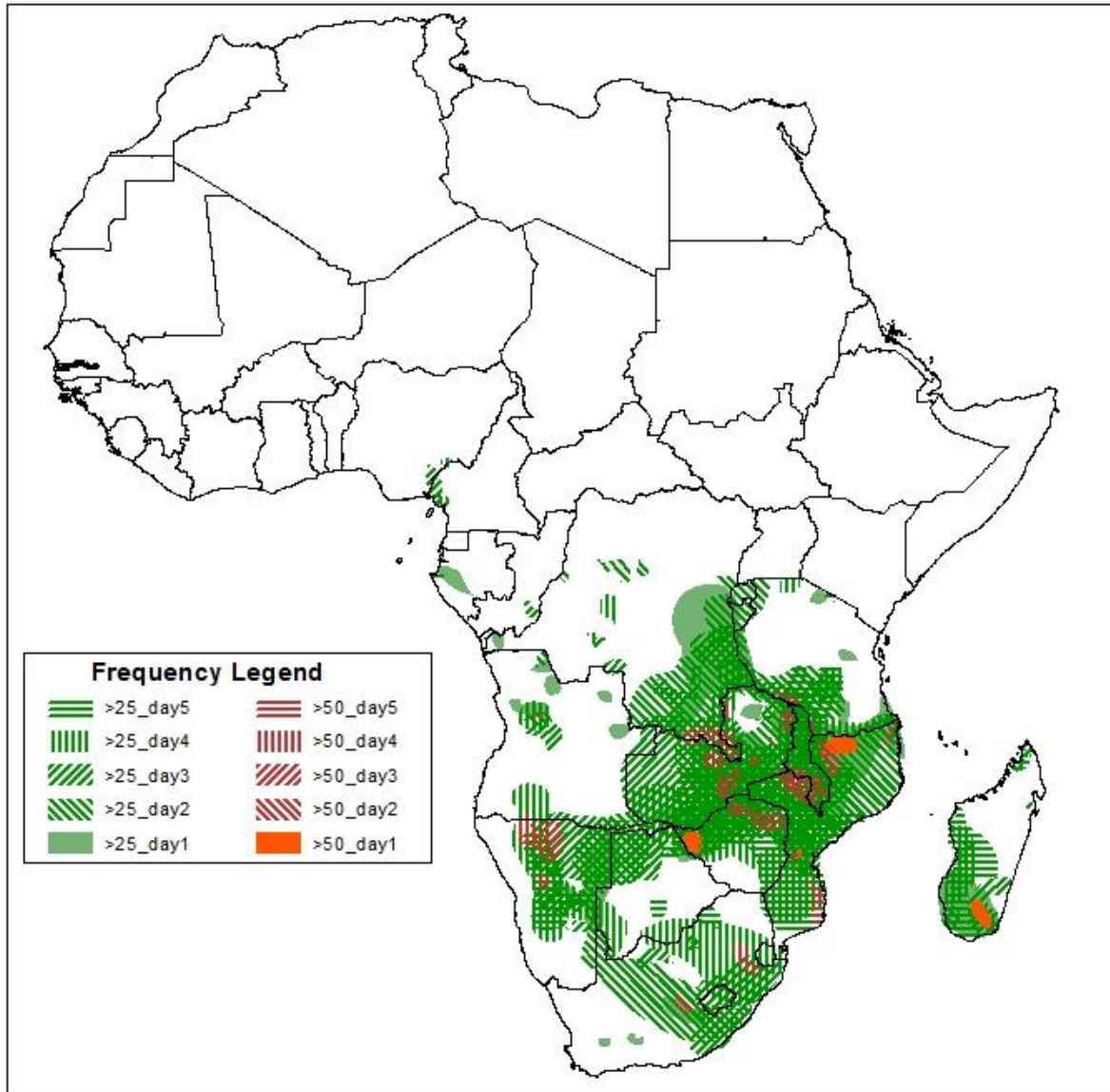
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on Jan 11, 2017)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Jan 12 –16, 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 Jan 12 - 16, 2017

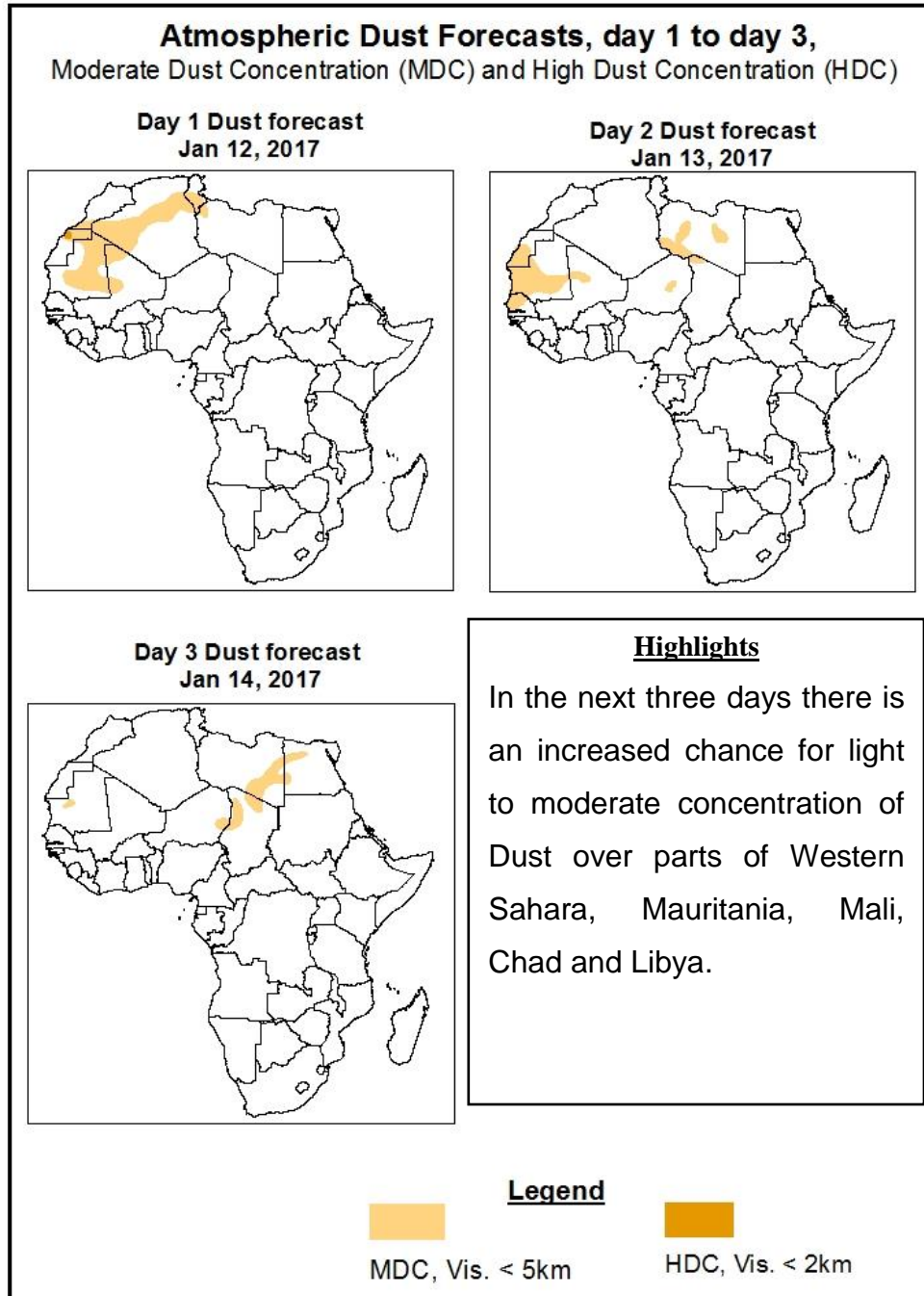


Highlights

In the next five days, lower level wind convergences across the northern and eastern 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 Zambia, Malawi, Mozambique and Zimbabwe, local areas of DRC, Tanzania, Angola, Namibia, Botswana, South Africa and Madagascar.

1.2. Atmospheric Dust Concentration Forecasts (valid: Jan 12–14, 2017)

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: Jan 12 – 16, 2017

The Azores High Pressure system over the North Atlantic Ocean is expected to intensify with its value of the central pressure increasing from 1040hPa to 1041hPa in the next 48 hours, weaken to 1035hPa in the next 96 hours, and later intensify to 1036hPa during the 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 1023hPa to 1024hPa in the next 48 hours, weaken to 1022hPa in the next 72 hours, and later intensify to 1031hPa 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 decreasing from 1030hPa to 1025hPa in the next 48 hours and intensify to 1029hPa during the remaining forecast period.

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

At 850hPa level, lower level wind convergences are expected to prevail over Cameroon, Congo, DRC, Tanzania, Angola, Malawi, Mozambique, Namibia, Zimbabwe, South Africa, Lesotho and Madagascar.

In the next five days, lower level wind convergences across the northern and eastern 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 Zambia, Malawi, Mozambique and Zimbabwe, local areas of DRC, Tanzania, Angola, Namibia, Botswana, South Africa and Madagascar.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (Jan 10, 2017)

Light to moderate rainfall was observed over portions of Algeria, DRC, Tanzania, Angola, Zambia, Malawi, Mozambique, Zimbabwe, South Africa and Madagascar.

2.2. Weather assessment for the current day (Jan 11, 2017)

Intense convective clouds are observed over portions of Cote D'Ivoire, Equatorial Guinea, Gabon, Congo, DRC, Tanzania, Angola, Zambia, Malawi, Mozambique, Namibia, Botswana, Zimbabwe, South Africa, and Madagascar.

