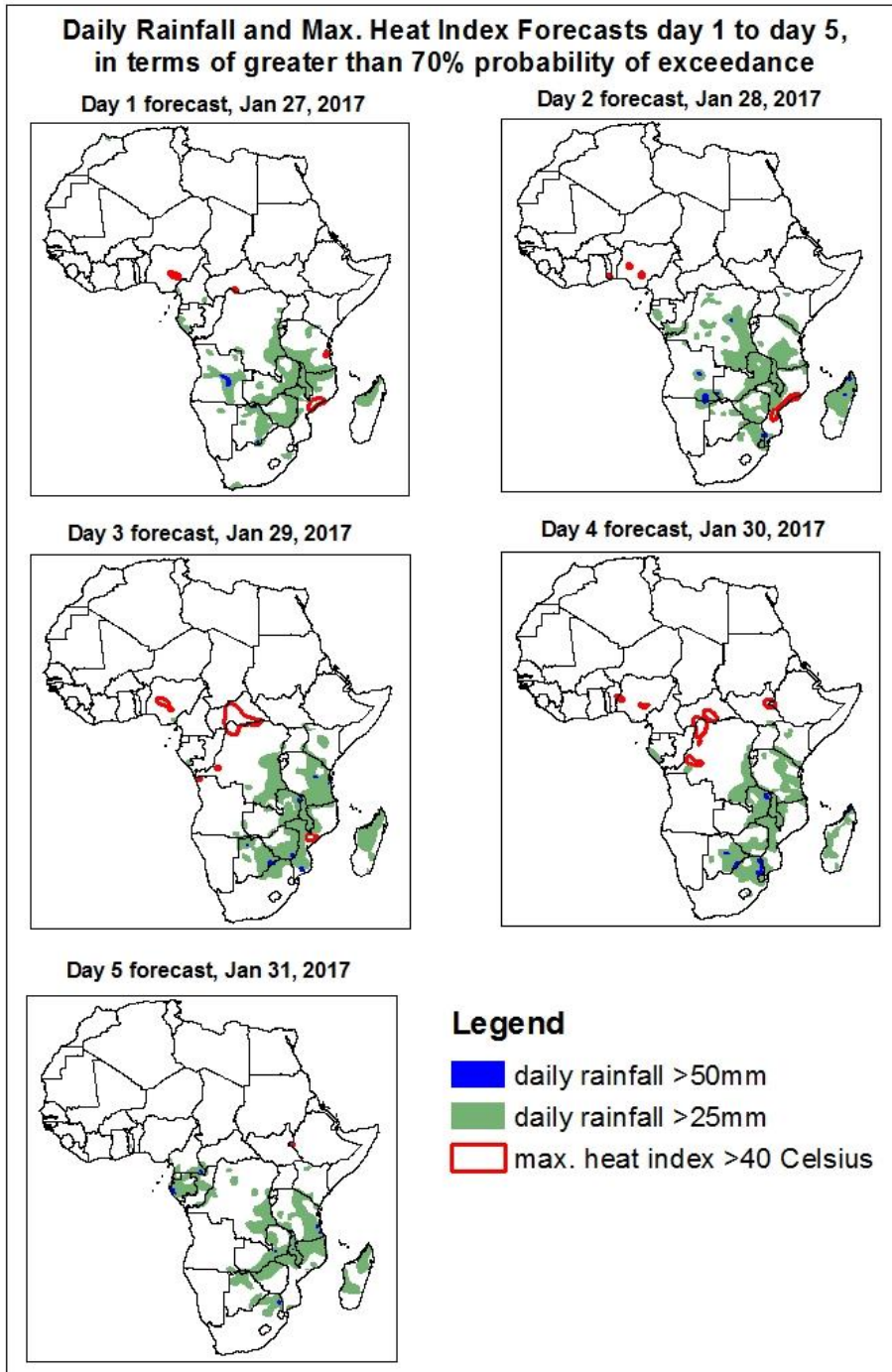


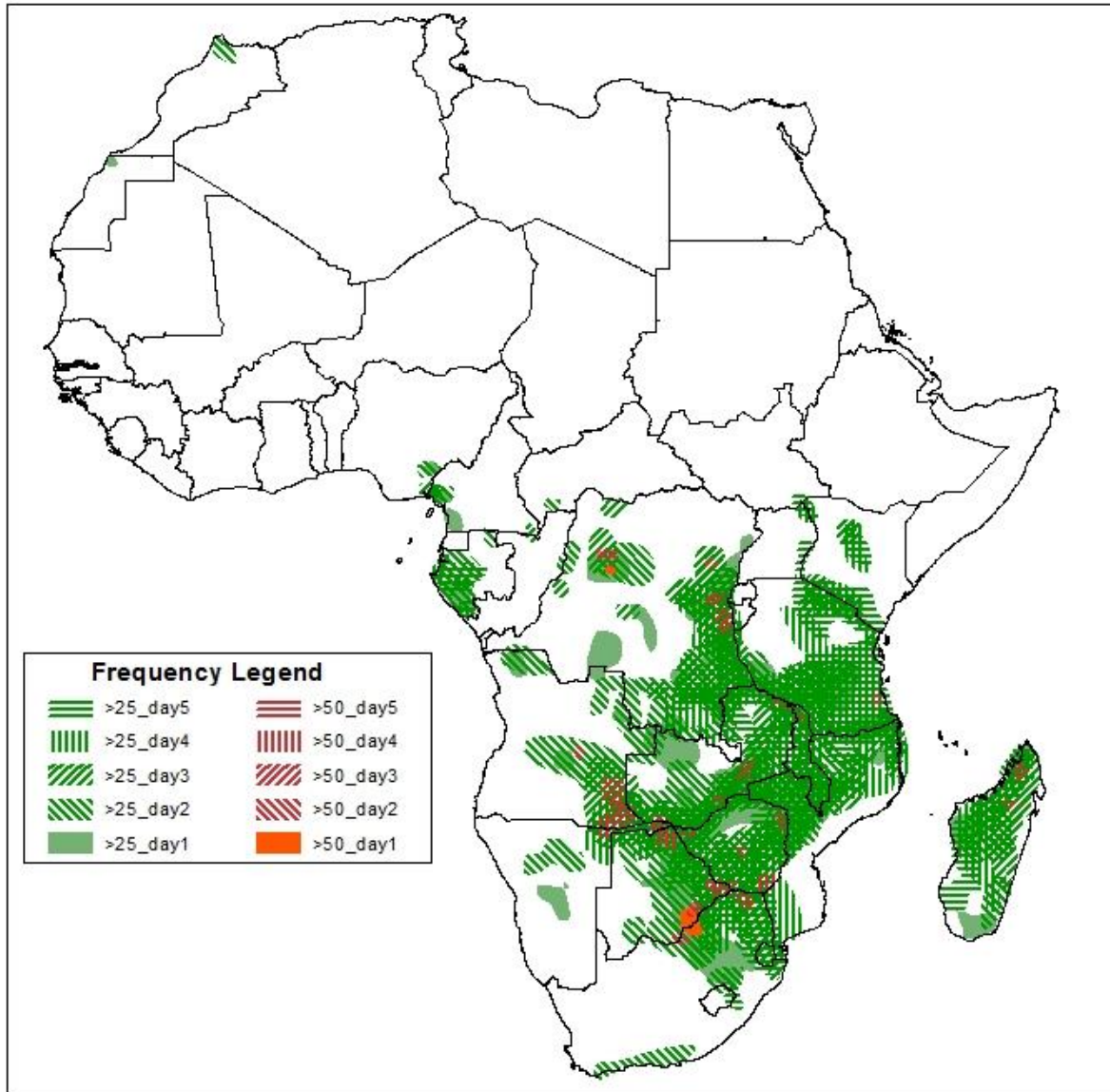
1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on Jan 27, 2017)

1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Jan 28 – Feb 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 Jan 28 - Feb 01, 2017

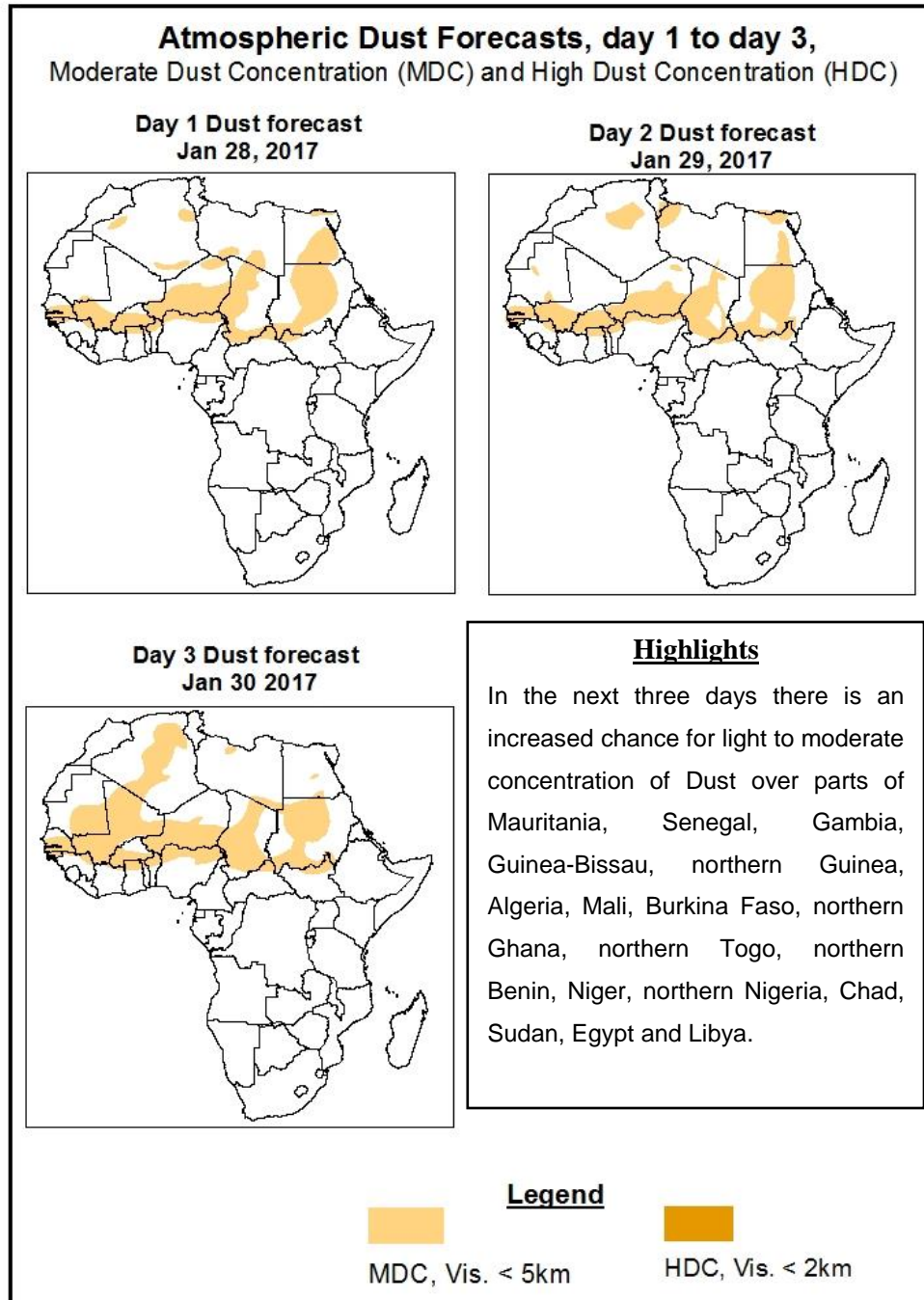


Highlights

In the next five days, lower level wind convergences across 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, Botswana and Zimbabwe, local areas of Nigeria, Cameroon, Gabon, DRC, Kenya, Tanzania, Angola, Mozambique, Namibia, South Africa, Swaziland and Madagascar.

1.2. Atmospheric Dust Concentration Forecasts (valid: Jan 28–30, 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 28 – Feb 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 1027hPa in the next 48 hours, intensify to 1029hPa in the next 72 hours, and later weaken to 1026hPa 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 1030hPa to 1019hPa in the next 96 hours and intensify to 1020hPa 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 1026hPa to 1025hPa in the next 48 hours, intensify to 1029hPa in the next 96 hours, and later weaken 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, Senegal, Gambia, Guinea-Bissau, northern Guinea, Algeria, Tunisia, Mali, Burkina Faso, northern Ghana, northern Togo, northern Benin, Niger, northern Nigeria, Chad, Sudan, Egypt and Libya.

At 850hPa level, lower level wind convergences are expected to prevail over Cameroon, CAR, DRC, Uganda, Tanzania, Angola, Zambia, Mozambique, Namibia, Botswana, Zimbabwe and South Africa.

In the next five days, lower level wind convergences across 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, Botswana and Zimbabwe, local areas of Nigeria, Cameroon, Gabon, DRC, Kenya, Tanzania, Angola, Mozambique, Namibia, South Africa, Swaziland and Madagascar.

2.0. Previous and Current Day Weather over Africa

2.1. Weather assessment for the previous day (Jan 26, 2017)

Light to moderate rainfall was observed over portions of Morocco, Nigeria, Cameroon, CAR, DRC, Kenya, Tanzania, Angola, Zambia, Malawi, Mozambique, Namibia, Botswana, Zimbabwe, South Africa, and Madagascar.

2.2. Weather assessment for the current day (Jan 27, 2017)

Intense convective clouds are observed over portions of Cameroon, Equatorial Guinea, Gabon, Congo, CAR, DRC, Uganda, Tanzania, Angola, Zambia, Malawi, Mozambique, Namibia, Botswana, Zimbabwe, South Africa and Madagascar.

