

AFRICAN REGIONAL CLIMATE CENTRE

LONG RANGE FORECAST PRODUCT FOR AFRICA VALID FOR MAY-JUNE-JULY 2021 AND JUNE-JULY-AUGUST 2021 SEASONS. ISSUED ON MAY 10, 2021

Highlights

- Normal to above precipitation is very likely over Burkina Faso, CAR, southern and eastern Mali, southern Niger, northern Togo, northern Nigeria, northern Ghana, northern South-Sudan, southern Sudan, southern Chad and central-western Ethiopia during May to August 2021.
- During May to August normal to below precipitation is very likely over western Guinea, Gambia, Bissau-Guinea, western Senegal, southern Côte d'Ivoire, southern Ghana, southern Togo and southern Benin Ethiopia.
- Below average precipitation is very likely over Gabon, Equatorial-Guinea, south-western Cameroon, south-eastern Nigeria, south Congo, Somalia and eastern Ethiopia during the May-June-July and June-July-August seasons.
- Near to above average temperature is very likely over Egypt, Libya, northern Mauritania, southern Morocco, southern Algeria, northern Niger and southern Tunisia during May to August 2021.
- During May to August above average temperature is very likely over northern Morocco, northern Tunisia and northern Algeria.

RECENT SST CONDITIONS AND OUTLOOK

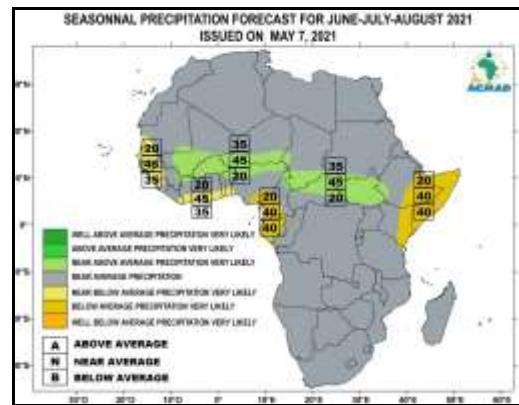
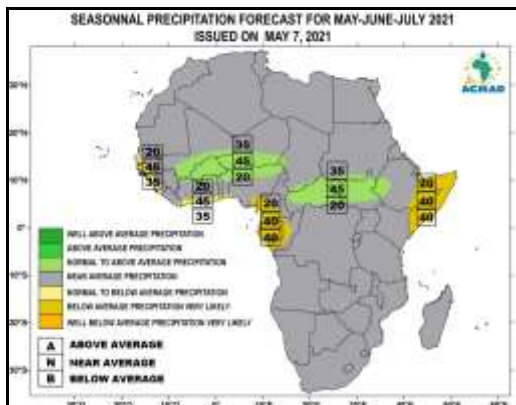
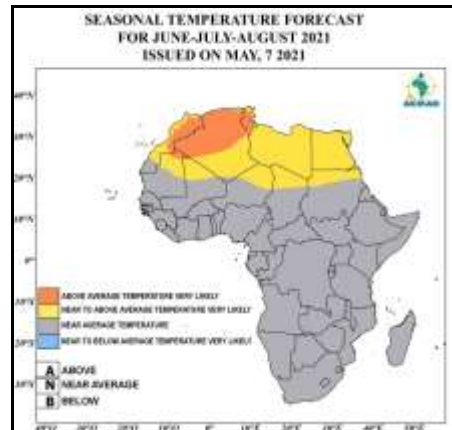
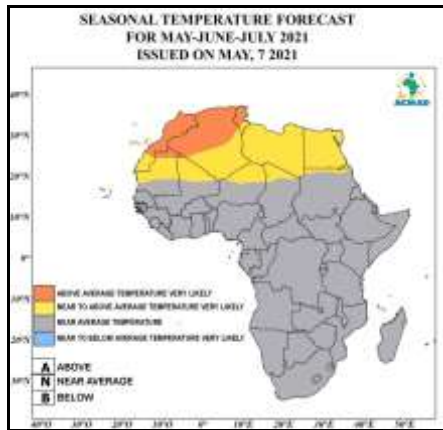
- Below average Sea Surface Temperatures (SSTs) were observed over most of the Equatorial Pacific (ENSO region) from August 2020 to April 2021. Since early March 2021, negative anomalies weakened across the equatorial Pacific Ocean. There is a strength chance (80%) the transition from La Niña to ENSO-Neutral during May-July 2021.
- The SSTs near average to above average was prevailed over TNA box during January 2020 to March 2021. The near to below average SSTs conditions was observed since early April 2021. This condition is expected to persist during the coming months (May-August) 2021.
- Over South Atlantic Tropical (SAT) the near to below average SSTs was observed during August 2020 to March 2021. The near to above average SSTs conditions was observed since the last 3 weeks. This condition is expected to persist during the coming months (May-August) 2021.
- In North Atlantic Tropical (NAT), near to above average SSTs was prevailed during January 2020 to March 2021. Since second half March 2021, the near to below average SSTs was observed. This is expected to persist during May-August 2021.
- Near average to below average SSTs prevailed in Tropical South Atlantic (TSA) since September 2020 to March 2021. The near to below average SSTs conditions was observed since early April 2021. This condition is expected to persist during the coming months (May-August) 2021.
- The Tropical Atlantic SST Index (TASI) was near to above average since June 2020. Persistence of this condition is very likely during coming months of 2021.
- Below average to near average SSTs was prevailed over Western Tropical Indian Ocean (WTIO) during past 4 months (since December 2020). These conditions will be persisting in the coming months.
- Below average to near average SSTs prevailed in Eastern Tropical Indian Ocean (during past 4 months (December 2020 to March 2021). This condition is expected to persist during upcoming three months.
- Above average SSTs prevailed over SWIO Box during past 3 months (since January 2021). This situation is very likely during the upcoming few months
- Above average to near average SSTs condition are very likely during coming months of 2021. Near average SSTs prevailed in Dipole Mode Index (DMI) during past 14 months (since January 2020). This condition is expected to persist in the coming months.

Given these SST anomalies, sub-surface temperature patterns and trends, knowledge and understanding of seasonal climate variability in Africa, and the available long range forecast products from Global Producing Centers for Long Range Forecasts, the following outlooks for precipitation and temperature are provided for May-June-July (MJJ) and June-July-August (JJA) 2021 seasons across Africa (see the figures below):

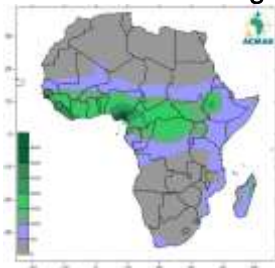
- Normal to above precipitation is very likely over Burkina Faso, CAR, southern and eastern Mali, and southern Niger, northern Togo, northern, Nigeria, northern Ghana, northern South-Sudan, southern Sudan, southern Chad and central-western Ethiopia in the MJJ season.
- Normal to below precipitation is very likely over western Guinea, Gambia, Bissau-Guinea, western Senegal, southern Côte d'Ivoire, southern Ghana, southern Togo and southern Benin.
- Below average precipitation is very likely over Gabon, Equatorial-Guinea, south-western Cameroon, south-eastern Nigeria, south Congo, Somalia and eastern Ethiopia.
- Normal to above precipitation very likely over Burkina Faso, CAR, North-eastern Guinea, south-eastern Mauritania, northern Cameroon, Northern Côte d'Ivoire southern and eastern Mali, southern Niger, northern Togo, northern, Nigeria, northern Ghana, northern South-Sudan, southern Sudan, southern Chad and central-western Ethiopia in the MJJ season;

- Normal to below precipitation very likely over western Guinea, Gambia, Bissau-Guinea, western Senegal, south-western Mauritania, western Sierra Leone, southern Côte d'Ivoire, southern Ghana, southern Togo, south-eastern Liberia and southern Benin;
- Below average precipitation very likely over Gabon, Equatorial-Guinea, south-western Cameroon, south-eastern Nigeria, Somalia, eastern Kenya and eastern Ethiopia;
- Near average precipitation conditions is very likely over the rest of continent (figure 2).
- Near to above average temperature is very likely over Egypt, Libya, northern Mauritania, southern Morocco, southern Algeria, northern Niger and southern Tunisia during May to August 2021.
- During May to August above average temperature is very likely over northern Morocco, northern Tunisia and northern Algeria.

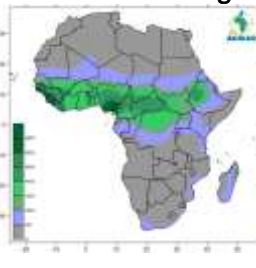
NB: Users are advised to seek more detailed climate information on the distribution of precipitation during the season, impacts and action options from National Meteorological and Hydrological Services and ACMAD website (www.acmad.net/www.acmad.org).



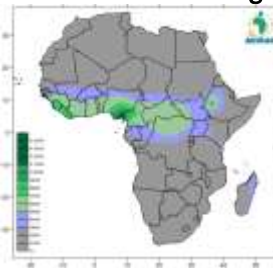
75% of MJJ average



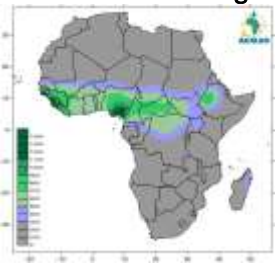
75% of JJA average



125% of MJJ average



125% of JJA average



The African seasonal precipitation average based on reference period 1981-2010 for May-June-July (MJJ) and June-July-August (JJA), the threshold 75% depicts areas under significant deficits or drought.
Data source: NOAA/NCEP/CPC/CAMS-OPI

The African seasonal precipitation average based on reference period 1981-2010 for May-June-July (MJJ) and June-July-August (JJA), the threshold 125% depicts areas under significant excess precipitation.
Data source: NOAA/NCEP/CPC/CAMS-OPI

