



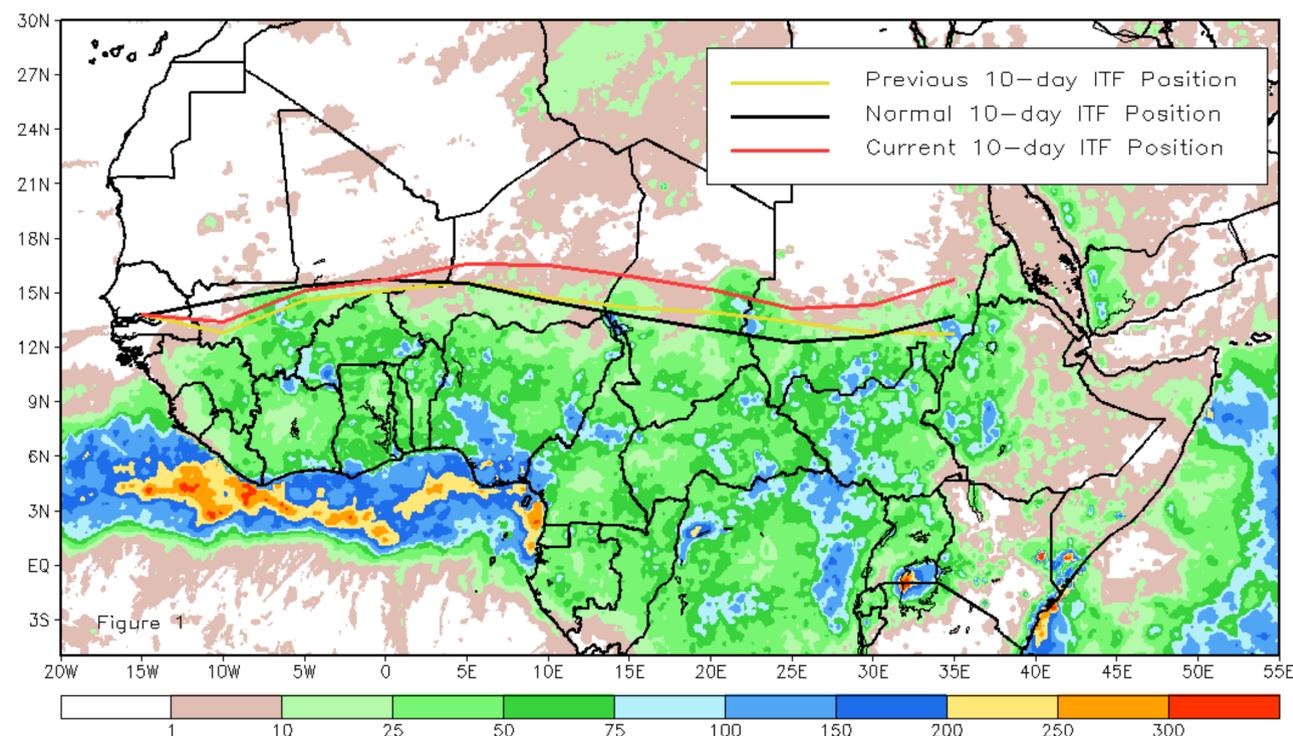
# CPC Africa Desk InterTropical (ITF) Front Analysis

## May 2019, Dekad 3

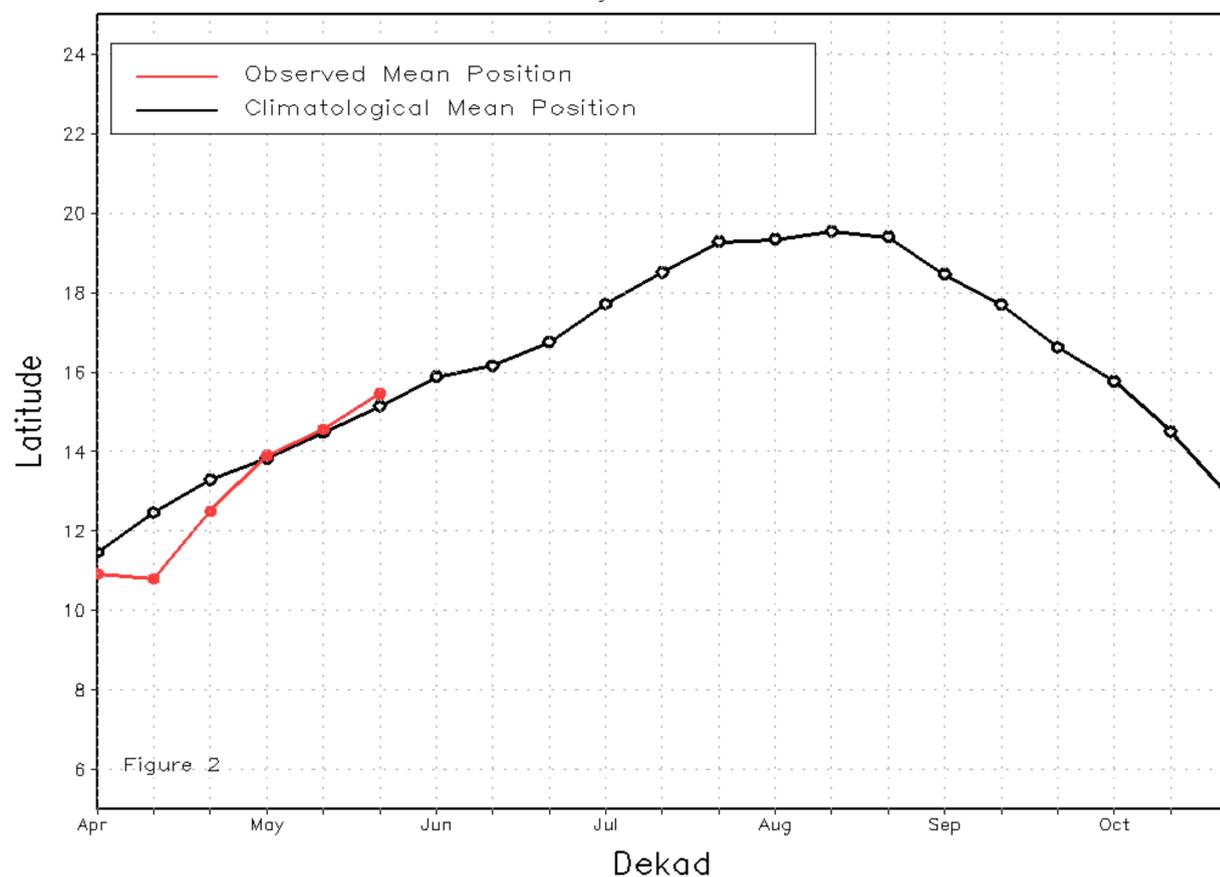
### Discussion:

From May 21-31, the ITF advanced farther north across Africa from longitude 0 to 35E. The mean western (15W-0E) portion of the ITF moved slightly north compared to the last decade and was centered over 14.8 degrees N, which was located to the similar climatological average except at longitude 10W. This may have increased the chance of above-average rainfall over the central portions of the Gulf of Guinea and major parts of the Sahel. The mean eastern (20E-35E) portion of the ITF propagated substantially to the north and was approximated at 14.8 degrees N compared to the previous decade, which to the north of the mean position by 1 degree. This may be responsible for the observed above-average rainfall over southern Tchad, southern Niger, southern Sudan and South Sudan during the period. Figure 1 shows the current position of the ITF relative to the long-term average position during the 3rd decade of May and its previous position during the 1st decade of May. Figures 2 and 3 are time series, illustrating the latitudinal values of the western and eastern portions of the ITF, respectively, and their seasonal evolutions since April, 2019.

Current vs. Normal Dekadal ITF Position  
and RFE Accumulated Precipitation (mm)  
May 2019, Dekad 3



Mean Western Portion of the ITF: Averaged 10W to 10E  
As of: May 2019, Dekad 3



Mean Eastern Portion of the ITF: Averaged 20E to 35E  
As of: May 2019, Dekad 3

