



CPC Africa Desk InterTropical (ITF) Front Analysis

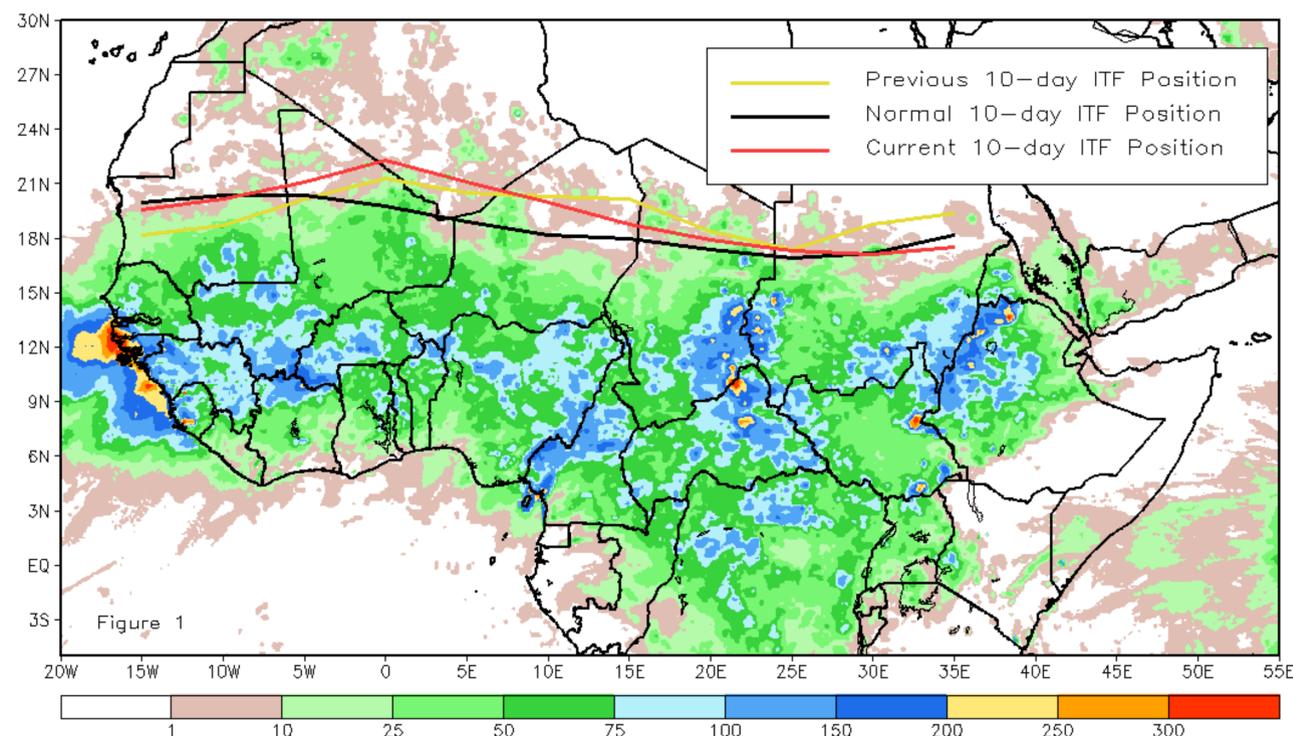
August 2014, Dekad 2

Discussion:

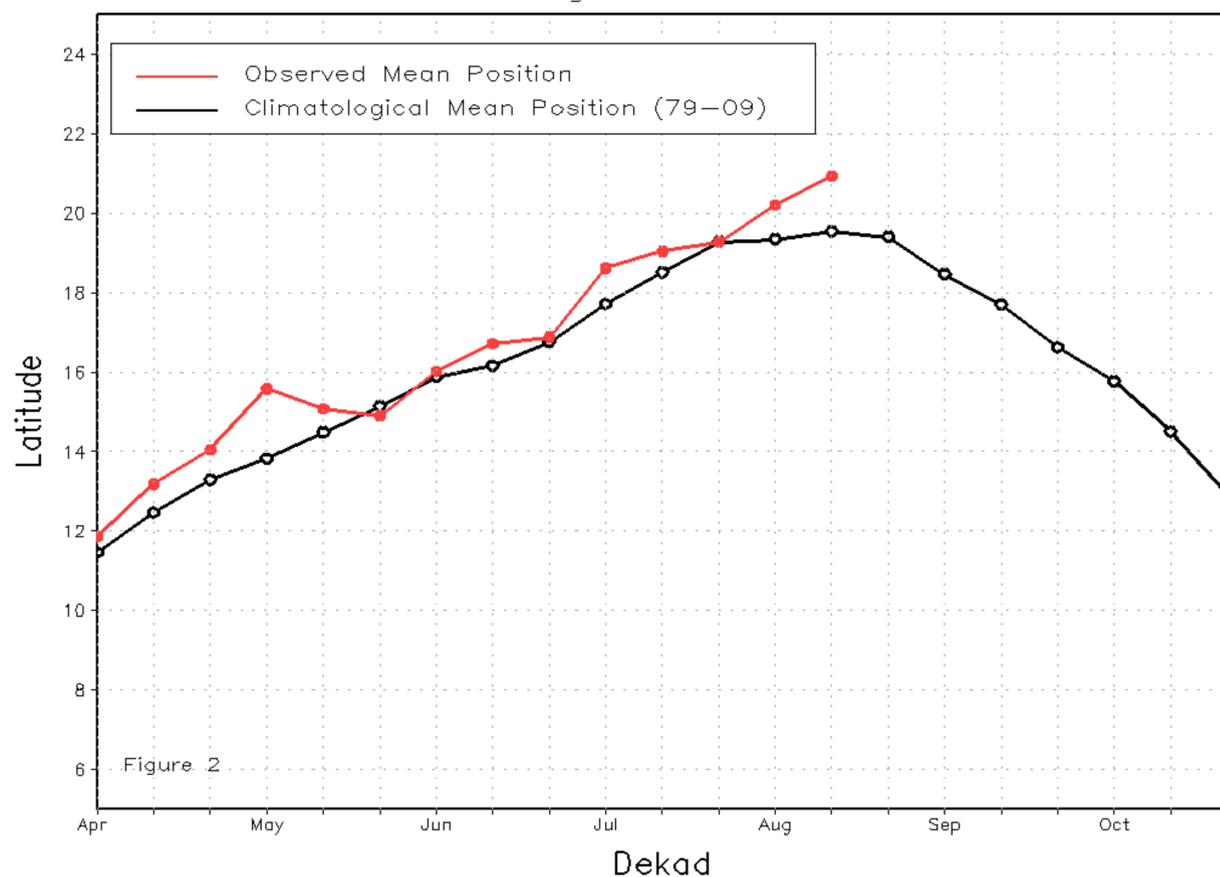
During the second dekad in August, the ITF continued its anomalous advancement throughout the Africa Sahel, reaching its climatological highest position for the season. In the west (10W to 10E), the average ITF latitude was approximated at 20.9N, leading the normal mean position by nearly 1.5 degrees in latitude (19.5N) for mid-August. The anomalous ITF position in the west was associated with high amplitude easterly waves, which brought ample amounts of lower-level moisture as far north as southern Algeria, anomalously heavy rainfall across many parts of northeastern Mali, and northwestern Niger. The mean eastern position of the ITF (20E to 35E) was approximated at 17.5N, slightly leading the normal mean position (17.4N). Compared to previous dekad, the ITF in the far east experienced an earlier than normal equatorward retreat over parts of eastern Sudan. However, many parts of western Sudan continued to receive heavy amounts of rainfall. Figure 1 shows the current ITF position relative to its long-term average position during the 2nd dekad of August and its previous position during the 1st dekad of August. Figures 2 and 3 are time series, illustrating the mean latitudinal values of the western and eastern portion of the ITF, respectively, and their evolutions since April, 2014.

Current vs. Normal Dekadal ITF Position
and RFE Accumulated Precipitation (mm)

August 2014, Dekad 2



Mean Western Portion of the ITF: Averaged 10W to 10E
As of: August 2014, Dekad 2



Mean Eastern Portion of the ITF: Averaged 20E to 35E
As of: August 2014, Dekad 2

