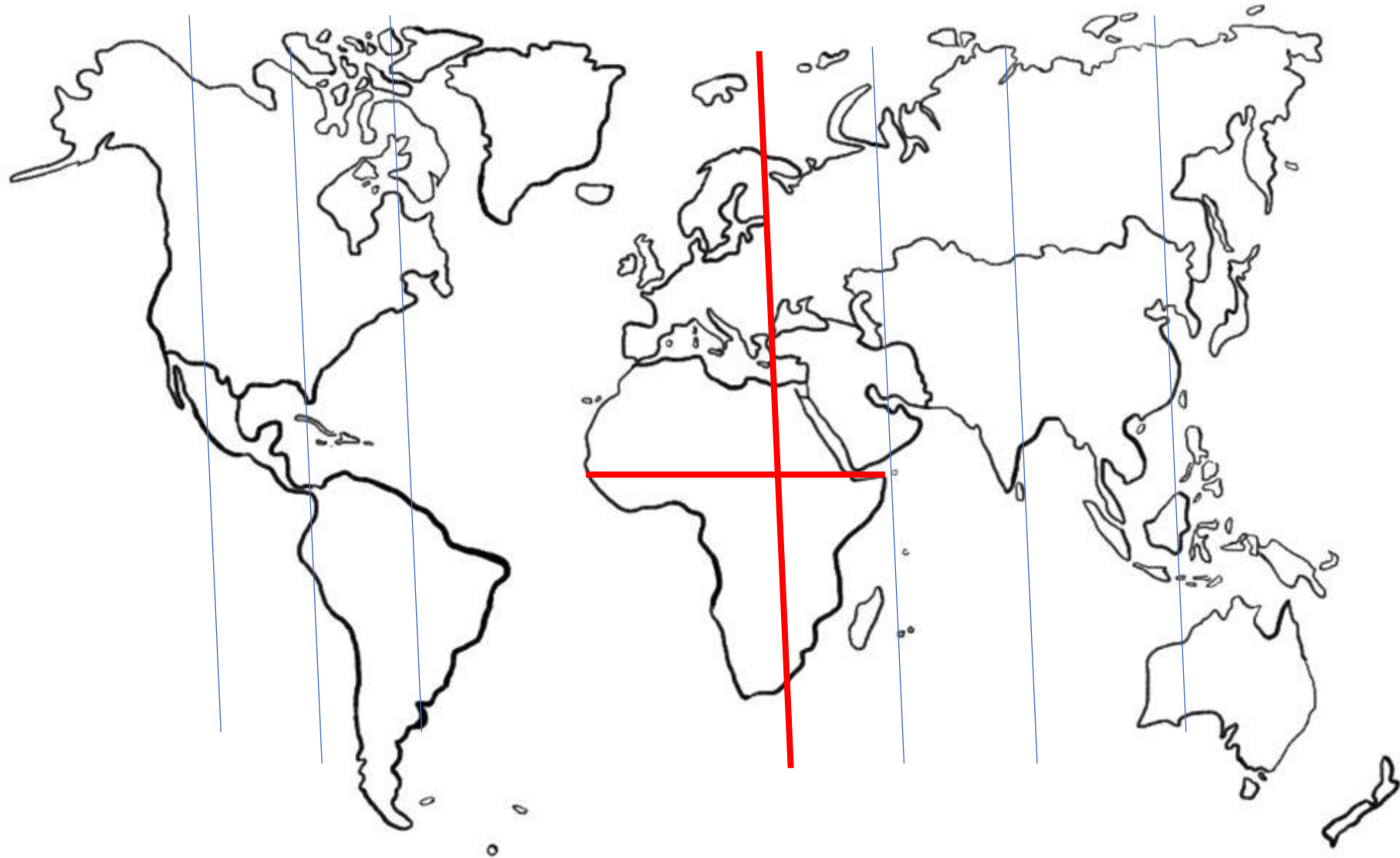


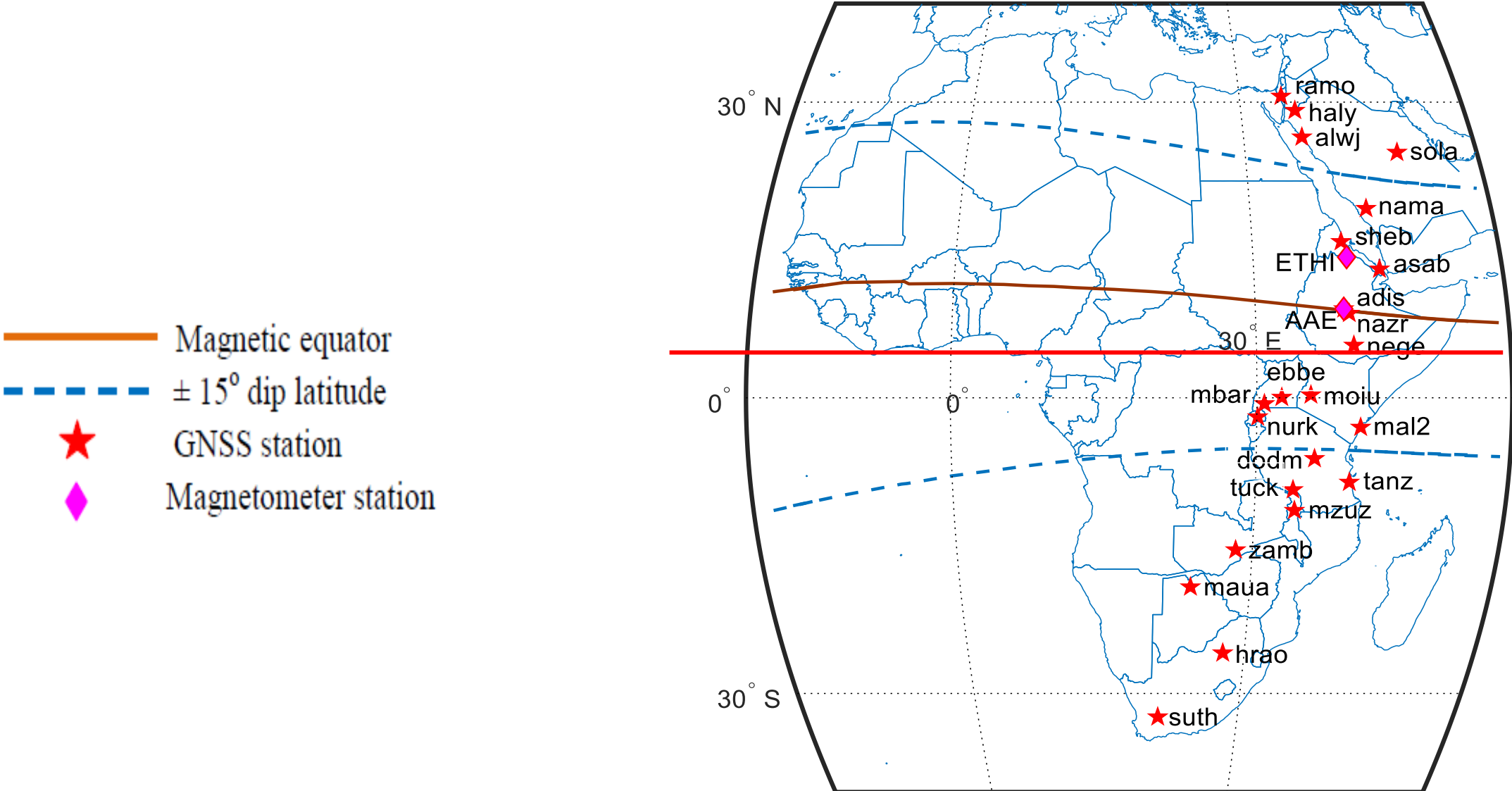
ISSI meeting  
September 9, 2020

**Presentation of 2 papers**

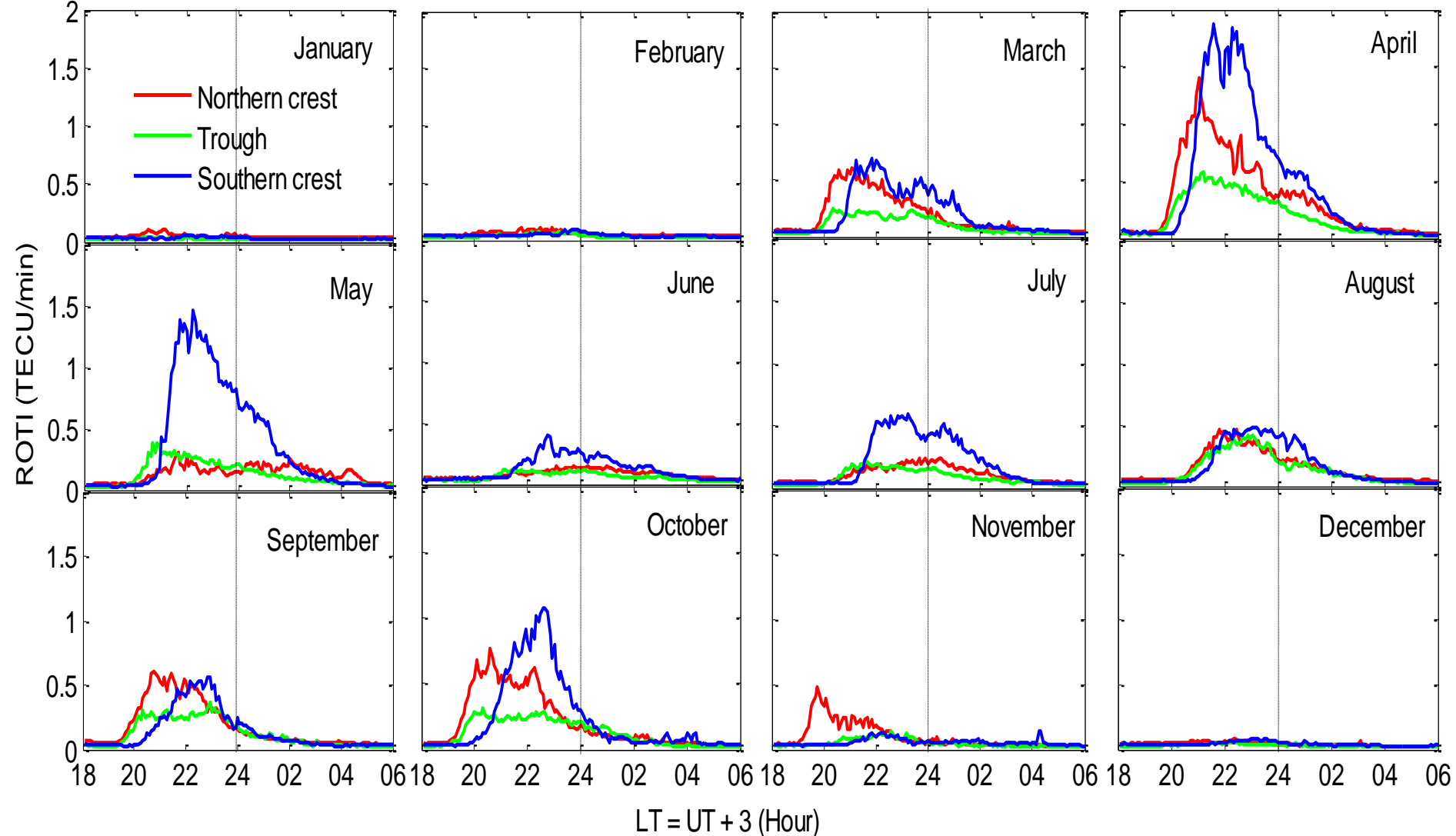
# Particularities of Africa



Amaechi, P.A., E.O. Oyeyemi, A.O. Akala, E.O. Falayi, M. Kaab, Z. Benkhaldoun, C. Amory-Mazaudier, Quiet-time ionospheric irregularities over the African Equatorial Ionization Anomaly (EIA) region, Radio Science, 55, e2020RS007077. <https://doi.org/10.1029/2020RS007077>



Asymmetry between the Northern and Southern crests of the EIA due to the configuration between the magnetic equator and the geographic equator (influence of the neutral wind)



Monthly mean variations of quiet time irregularities over the northern crest (red line), trough (green line) and crest (blue line) in 2013 (Figure 5 from Amaechi et al., 2020).

Akala, A.O., E.O. Oyeyemi, P.O. Amaechi, S.M. Radicelle, B. Nava, C. Amory-Mazaudier, Longitudinal responses of the equatorial/low latitude ionosphere over the oceanic regions to geomagnetic storms of May and September 2017, *Journal of Geophysical Research: Space Physics*, 125, e2020JA027963. <https://doi.org/10.1029/2020JA027963>

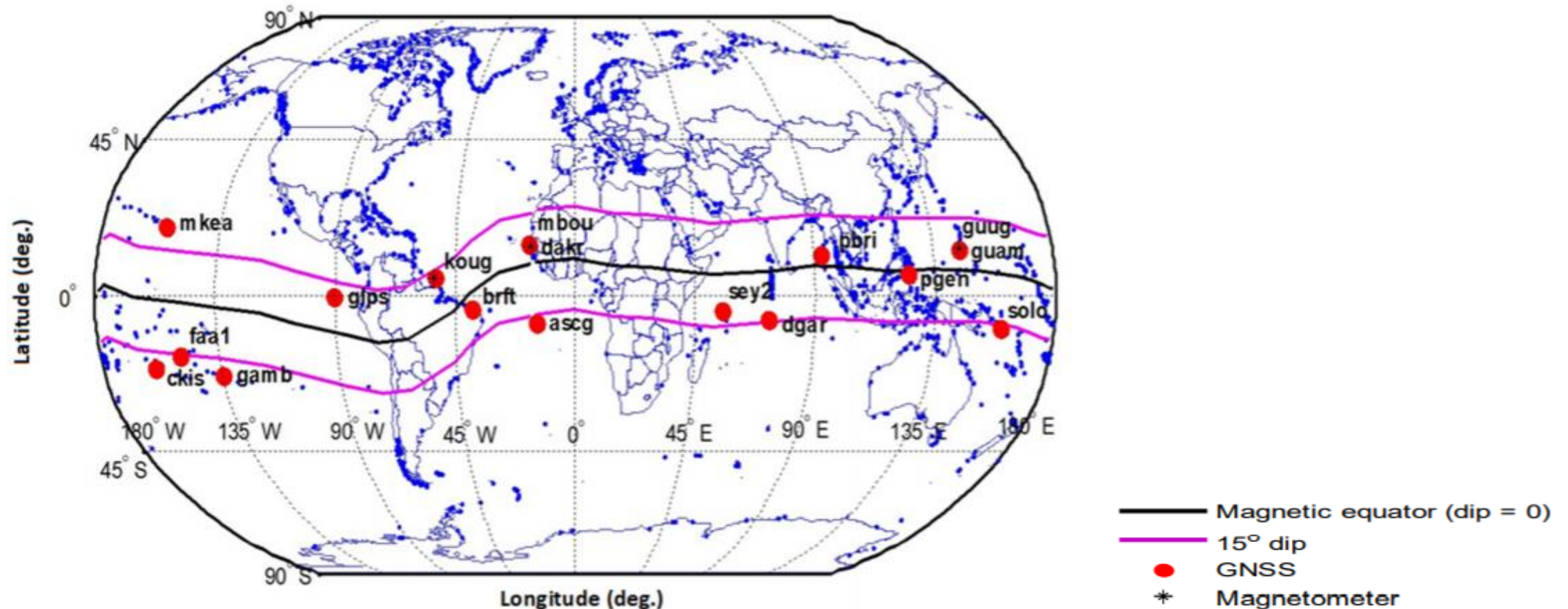


Figure 7 from Akala et al., 2020

ROTI as proxy for ionospheric irregularities from 23 May to 1 June 2017 over: Pacific Ocean (PFO) Asian longitude: (a) Solomon Island [solo]; Indian Ocean (IDO): (b) Guam [guug], (c) Port Blair [pbri], (d) Republic of Seychelles [sey2]; Atlantic Ocean (ATO): (e) Ascension Island [ascg], (f) Dakar [dacr]; Pacific Ocean (PFO) American longitude: (g) Galapagos [glbs], (h) Tahiti [faa1], (i) Mauna Kea [mkea], and (j) Cook Island [ckis].

