

Interactive comment on “Variation in total electron content with sunspot number during the ascending and maximum phases of solar cycle 24 at Birnin Kebbi” by Aghogho Ogwala et al.

Anonymous Referee #2

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It is not the signal obstacle problem. If the shell height is 350 km and the elevation is 20 degree, the largest distance of the ionospheric pierce point to GPS receiver for some satellite is about 960 km. Because the ionospheric spatial variation in low latitude is very large (EIA region), this cutoff of the elevation is too large, the averaged TECs including these low elevation observations is not suitable to represent the ionospheric TEC at Birnin Kebbi site. It is suggested that the cutoff elevation is selected larger than 40 degrees

Interactive comment on Ann. Geophys. Discuss., https://doi.org/10.5194/angeo-2018-95, 2018.