

The author corrected the article in accordance with the referees reviews. The discussion section was substantially improved. But there are several technical corrections to be made:

What was changed in line 21 (pg. 1)? Do you removed all the references?

The statement “By analyzing the latitudinal profiles, it could be determined that the increment of TEC to produce this LTE was of 241.2%” (pg 7, lines 5-6) makes no sense. As far as I understand, LTE is a TEC increment. If you mean to show the LTE intensity, just present TEC value. Currently it is unclear what do you take as a 100%.

Figures 1 and 5 are to be edited since they take a significant space and do not give too much information. Add a grid and more frequent tick marks to Y-axes for Bz and Dst panels.

Pictures of differential VTEC (figs. 2 and 3) looks better, but need higher contrast. Try to use colormap ‘seismic’ from matplotlib package.