Comment on angeo-2022-18

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The paper entitled ‘Latitudinal variations of ionospheric-thermospheric responses to Geomagnetic Storms from Multi-Instruments’ presents important results for the storm-time ionospheric variations. These variations are clearly explained throughout the text. The paper is recommended for publications after the below changes.

Title: replace ‘responses to Geomagnetic’ to ‘responses to the Geomagnetic’.

Abstract. Show in abstract in a line the aim of this paper.

Introduction: uniform the reference style in the text. Where ever cite in the text.

Line 51-53. What seasonal changes and what is the change? Enhancement/depletion

Page 2. Line 60. Replace ‘during storm conditions’ with ‘during the storm conditions’.

Page 4. Line 99-100. Show you aim also.

Data and methods.

Change all the data links. Whether properly added. And working?


Page 5. Line 127. Replace ‘Fig. 1’ by ‘Figure 1’ and change all Fig. with Figure in the text.

Check all equations properly and their numbers also

Fig. 1. The geomagnetic line must be black or red.

Explain more Fig 10 and 11 in the context of storms different phases and their local or UT hours.

Page 10 line 223. Insert here the explanation of both the storms in which solar phase.
Check all references to correctly cited.

Conclusion. Add one bullet on the equatorial ionospheric enhancement and its relation with EEJ and PPEF.

Check all references in the list to be properly added.