Date: 07.05.2018

To

Ms. Natascha Töpfer
Editorial Support
Copernicus Publications
Germany

Subject: angeo-2018-3 (author) - manuscript needs minor revisions

Dear Ms. Töpfer,

Please accept greeting from my end. With due respect, I wish to draw your kind attention towards the above-mentioned submission. Firstly, I sincerely thank the esteemed Editor Dr. Dalia Buresova and the esteemed Editor-in-Chief Dr. Christoph Jacobi for their invaluable comments/suggestions and consistent encouragements.

I have suitably incorporated corrections in this revised submission as suggested by the esteemed Editor. Please find appended with this covering letter the changes made in the submission. I request you to kindly do the needful.

Thanking you in anticipation and for all your support.

Yours Sincerely,
Navin Parihar

Changes incorporated in Revised Submission as per suggestions of the esteemed Topical Editor

We sincerely thank the esteemed Editor for her invaluable suggestions and kind encouragements regarding our submission.

Editor's Comment: There is mentioned in the manuscript that you have used Canadian Advanced Digital Ionosonde (CADI) data for calibration purposes. Are the ionosonde data manually checked or you have used automatically scaled data? The data quality should be mentioned in the manuscript. Sometimes there could appear significant differences between manually checked and automatically scaled data sets. In the case, there is possible to check the ionosonde data manually, please, do it and introduce appropriate corrections in the Table 2 and in the text;

Reply: We sincerely thank the esteemed Editor for highlighting this point that we forgot to mention under Experimental details of Installed CADI Ionosonde. Ionograms were scaled manually for accuracy in inferred ionospheric parameters. We followed URSI Handbook of Ionogram Interpretation and Reduction while obtaining these parameters. The following changes have been made in the manuscript:

Ionograms were recorded at 5 min interval, and were scaled manually to accurately obtain foF2 (the critical frequency of the F2 - layer) and hpF2 (the virtual height at 0.834 of foF2 determined by a parabolic approximation) (Piggott and Rawer, 1972).

References Section has been updated accordingly.

Editor's Comment: Please, replace the website address http://isgi.latmos.ipsl.fr (page 21, line 3) with the http://isgi.unistra.fr/, as the previous address is not recently accessible.

Reply: We sincerely thank the esteemed Editor for kindly updating us with the website information. Text has been changed from http://isgi.latmos.ipsl.fr to http://isgi.unistra.fr/

Additional Changes: We have added the following text in Acknowledgements:

Authors sincerely thank anonymous reviewers, the Topical Editor Dr. Dalia Buresova and the Editor-in-Chief Dr. Christoph Jacobi for their critical comments and tremendous encouragements.