

## Reply to the review of the Topical Editor:

The Authors are grateful to the Topical Editor for the review: -

We have modified the manuscript and detailed corrections are listed below point by point:

- line 28/29: consider revising the sentence „The global availability of GPS has made it a valuable tool for sensing the Earth’ the regional and global ionosphere estimation”
- line 45: replace estimates by estimate
- line 47: As TEC values are dependent on...
- line 72-76: subscript the indices
- line 80: missing space after L1
- Fig. 6: please add some labels.
- line 212: full stop is missing at the end of the sentence.
- line 215: replace deference by difference
- line 228: full stop is missing at the end of the sentence.

All mentioned parts are considered.