

Dear Editor,

We have responded to two referees during discussion stage. The author's replies are uploaded as open comments in the Interactive Discussion. The total changes to the manuscript are listed here. Line numbers correspond to revised version of the manuscript.

1. We have slightly modified abstract to be in better agreement with the comments from the referee two.
2. The reported metrics values have been slightly changed in the abstract, since we have updated the results, as explained to reply to the referee two.
3. We have slightly modified introduction, to be in better agreement with the comments from the referee one and two:
  - 3.1 The motivation of the work better explained: lines 40-53
  - 3.2 The modelling setup better explained: lines 54-60
  - 3.3 Added details about metrics of GNSS products: lines 62-63
4. We have removed reference to unpunished work: line 180
5. Changes to GNSS data processing explanation, to fulfill the comment of the referee one: lines 329-340
6. Section 5 (Results) reworked to be in better agreement with the comments from the referee two. The results of LTT-based models and experimentation with the RADIATE model are reported separately. This changes the subsections of Section 5. We also added more explanations throughout the text to be in better agreement with the comments from the referee one.
7. Related to change of Section 5, Table 1 have been split into two parts, and extra hints have been added for improved readability. This reflects the suggestions from the referee two. The reported metrics values have been slightly changed in tables.
8. Conclusions have been partly modified to be in better agreement with the comments from both referees: lines 428-438.

\* Several minor grammatical and cohesion fixes have been made throughout the text.