

Interactive comment on “Global TEC prediction performance assessment of IRI-2016 model based on EOF decomposition” by Shuhui Li et al.

Anonymous Referee #2

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The paper is very interesting and it is a contribution to IRI-2016 performance, which is always welcome. It uses a statistical technique (EOF) which sometimes is a bit confusing to understand. At least it is my opinion. But overall the paper presents the main differences which are well explained.

I have only some additional comments to those made by Reviewer 1.

Main comments:

In page 5 you mention “Figure 2 demonstrates that the daily predicted RMS of IRI-2016 is in good agreement with the daily solar F10.7 index.” If the bias is the deviation from GIM, it is not trivial that it should depend on solar activity level. Why is this?

Which is the data used for Figure 3 ? IRI or GIMS ? I do not understand what this

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Figure shows.

Minor correction: At the end of page 3: “University Time (UT)” should be “Universal Time (UT)”

Interactive comment on Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2019-79>, 2019.