

In the manuscript, the authors evaluate the IRI performance comprehensively by using GPS TEC data, and the results are convincing. Moreover, the manuscript is well organized, so I think it is suitable for publication after making minor corrections.

Minor comments:

1. For the abbreviation "EIA" in the abstract, full name should be given when appearing for the first time.
2. In Section 2.2.1, when explaining why using the Pearson correlation analysis, the author mentions "Several studies have shown that TEC data for a limited number of days fulfills both of these conditions.", I think it is better to add some relevant references.
3. Page 9 line 10 and Equation (13): replace POD with QPOD?.
4. In the Results and Discussions part, the arrangement of some pictures is unreasonable, which makes it inconvenient to read. For example, Figures 2-4 are mainly mentioned in Section 3.1.1, but the author puts them at the end of Section 3.1.2. While Figures 5 and 6, mentioned in Section 3.1.2, are put in Section 3.1.3. I hope the author will review and organize them in a clear way.