**Second Review**

Reviewer #2: In this paper, the authors present TEC variations during 11 years over Nepal. Regarding the structure I think the manuscript in general is well organized. In my opinion this paper could be accepted for publication in Acta Geophysica after a major revision. The specific comments given below should be addressed.

*We are grateful for the constructive suggestions and feedbacks. As per suggestions, we reviewed our manuscript thoroughly and we have incorporated all suggestions.*

1. The abstract should be rewritten - please remove repetitions.

***Answer:-*** *Thank you very much for your comment, It really helps to organize the manuscript in much better way. The abstract has been rewritten and repetitions were removed.*

1. Page 3. Equation 2- please explain TECcal.

***Answer:-*** *TECcal is now explained better. This can be found in the lines 108-109 (marked as red color.) We’ve added a citation (Rao, 2007) and the corresponding reference.*

1. Page 3. The authors state: "The monthly biases values for all satellites and IGS stations can be obtained from…"- Please provide the information on DCB receiver used for the calculation. CHLM station is not part of the IGS network.

***Answer:-*** *That was indeed misleading. We apologize for it. CHLM is in fact not a part of IGS. We have removed those lines and specified that the calibration data is obtained and incorporated by the Seemala software (from UNAVCO). This pertains to section 2.1 “TEC data”. We rearranged some sentences to improve the flow in the lines 82-90.*

1. Page 3. The authors state: "The data obtained during 6-8 UT is taken to be the daytime data, while the data from 16 - 20 UT taken as nighttime data to compute the daytime and nighttime daily values of TEC."- The daytime data covers a period of 2 hours while the nighttime data covers twice as much data (4 hours). In my opinion, the authors chose too short a period for daytime data. This should be corrected and new results should be presented.

***Answer:-****We picked that specific period for the daytime because our understanding is that the peak of solar intensity in Nepal region consistently lies in between 6-8 UT. We see now that we could have gone with a longer period for the better (but not too long as to dilute the information about the peak.) We changed daytime data from 6-8UT to 5-9UT and reproduced all the results. Changes have been made in* ***Figure 2(b), 3(a), 3(c), 4(a), 4(c), 6 and 7. We did not observed significant change in the results.***

1. There are numerous typographical errors, mostly related to plural forms, articles, mistyped words. English language have to be improved

***Answer:-*** *Thank you reviewer for addressing typographical errors points on the Manuscript. As per the suggestion, this has been addressed and errors have been fixed.*

**Additional Changes:**

1. In line 7, “Nepal” has been added to the affiliation.

2. In line 40, Order of citation has been corrected.

3. In lines 42, 43, grammatical error has been corrected.

4. In lines 47-52, Two sentences has been reordered.

5. In line 68, the sentence has been rephrased.

6. Few entries have been added to the reference section, all of which are marked in red (lines 477-479, 490-492, 522-523, 538-540, 546, 577-579).

7. Minor grammatical revisions have been done in several places (eg. 137, 161, 250, 294, etc.).