Review Form 1.7

Journal Name:	**International Astronomy and Astrophysics Research Journal**
Manuscript Number:	**Ms_IAARJ_118250**
Title of the Manuscript:	**OBSERVATION OF TRAVELLING IONOSPHERIC DISTURBANCES OVER MOROCCO DURING THE GODZILLA SAND AND DUST STORM OF 15TH TO 26TH JUNE 2020 USING GNSS**
Type of the Article	

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PART 1: Review Comments

	Reviewer's com	
Compulsory REVISION comments 1. **Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) 2. **Is the title of the article suitable?** (If not please suggest an alternative title) 3. **Is the abstract of the article comprehensive?** 4. **Are subsections and structure of the manuscript appropriate?** 5. **Do you think the manuscript is scientifically correct?** 6. **Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**It demonstrates the role of dust storm to generate atmospheric gravity waves as seen by the trravelling ionospheric disturbances in TEC measurements. Results merit publication.** **Yes** **Yes** Yes Yes Yes The paper is based on vertical total electron content (VTEC) measurements using GNSS receivers at 4 stations in Morocco during the GODZILLA sand storm of June 2020. The sandstorm occurred over Morocco during 15-26 June 2020 and the VTEC measurements at the four stations showed wave like structures. The medium scale travelling wave disturbances (TIDs) were observed to be travelling pole ward. Role of the severe dust storm in triggering the atmospheric gravity waves and medium scale TIDs is demonstrated. Observations and results are worthy of publication. There are some minor points to be considered by authors that are listed here. 1. Results of the TIDs are shown for the days 15-26 June 2020. All the days show medium scale TIDs. To confirm the role of sandstorm in triggering the atmospheric gravity waves and TIDs, it will be desirable to present results for one control day before the onset of the sandstorm to show that prior to the sandstorm there are no TIDs. 2. In the abstract and in the conclusion authors mention that "neutral winds were seen to play an important role in the propagation of AGWs which are manifestation of TIDs". Where are the observations of neutral winds in the presentation to substantiate this? 3. Typing/spelling errors i. Page 1: Introduction: para 1: line 2: "depend" for "depends" ii. Page 1: Para 2: 2nd last line: :causing" for "during causing" iii. Page 3: Section 2.3: Pare 2: Line 11: Sentence referring references (29, 30): "electron content" for "electron duty"	
Minor REVISION comments 1. **Is language/English quality of the article suitable for scholarly communications?**	Yes	
Optional/General comments		

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PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Harish Chandra**
Department, University & Country	**India**