

Review Form 1.7

Journal Name:	International Astronomy and Astrophysics Research Journal
Manuscript Number:	Ms_IAARJ_106874
Title of the Manuscript:	REFRACTIVITY GRADIENT VARIATIONS AND INTERTROPICAL DISCONTINUITIES ACROSS NIGERIA.
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaliaarj.com/index.php/IAARJ/editorial-policy>)

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 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. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<ol style="list-style-type: none"> 1. It seems yes, since the climate change and as such topics this area of research could benefit the researchers working in the related fields. 2. To some extent It seems so, but the term "Across Nigeria" should have been clearly defined for researchers and the scientific addressee to better understand what do we mean by this. 3. The research methodology should have been explained much more and of course the conclusion should be explained in brief. Future research topics for further research could have been proposed and mentioned so that the researchers can find some directions to continue this research in the future. Also the study area should have been explained in more in details for other researchers to understand the characteristics of the research area and whether it can be used in similar parts of the world. 4. In some parts adjustments and corrections are needed. As mentioned in FIG 1: "<i>Spatial distribution of Refractivity Gradient across Nigeria in the late dry season of December, January and February</i>", and also FIG 2: "<i>Spatial distribution of Refractivity Gradient across Nigeria in the early rainy season of March, April and May</i>" and as such the references remains unknown! So it's proposed that the reference should be added by the author of the manuscript. The conclusion needs to be more detailed based on the characteristics of the study area 5. To some extent it seems yes, but in relation to this the corrections mentioned should have been done and are mandatory. 6. Based on the references it seems that some recent years and up-to-date references could have been added to enrich the manuscript and increase the level of accuracy 7. The manuscript should be edited from literal and technical point of view. As mentioned before. 8. The maps resolution should be adjusted and the degeneration should have been solved. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<ol style="list-style-type: none"> 1. The manuscript should be edited from literal and technical point of view. As mentioned before. 	
<p>Optional/General comments</p>		

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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