

### Review Form 3

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_127391
Title of the Manuscript:	Variation Of Lightning Activity Over Parts Of The Western Coast Of Africa
Type of the Article	

#### PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b>	The research work is based on the understanding of the lightening activity over western coast of Africa by using World Wide Lightning Location Network which is important for analysing the lightening effects over that region to understand the risk assessment. This research work is exceptionally as it is focused on only lightening activity over specific region and for specific period.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes, the title of the article is suitable.	
<b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b>	<b>The 9<sup>th</sup> line of the abstract (The study also identifies seasonal trends) should be deleted as I observed that the manuscript does not include the seasonal trends in its results section.</b>	
<b>Are subsections and structure of the manuscript appropriate?</b>	Yes, the subsections and structure of the manuscript are appropriate.	
<b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b>	The manuscript is scientifically robust because it is structured well. The depth of the study is clearly described and analysed well. The manuscript is technically sound because it includes proper analysis in its result section. However, the materials and methods are properly described.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Yes, the references are sufficient but all are not recent because the study itself has included the year 2011.	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language is suitable.</p> <p>Minor comments:</p> <ol style="list-style-type: none"> <li>1. Please correct the line number 9 of the abstract section (<b>The study also identifies seasonal trends</b>).</li> <li>2. Please correct the paragraphs <b>7</b> (<i>The analysis provided insights into the temporal and spatial characteristics of lightning in West Africa</i>), <b>8</b> (<i>investigates trends in lightning occurrences with high-resolution data, providing insights into the spatial and temporal variations of lightning in the region</i>), <b>9</b> (<i>valuable insights into the changes and distributions of lightning activity over the continent, revealing significant trends and spatial variations</i>), <b>11</b> (<i>a detailed assessment of how lightning varies across different regions and times, contributing valuable insights into the behavior of lightning in Senegal</i>) in the introduction section. The highlighted part should include the results and conclusions of the previous studies.</li> <li>3. Please correct the Latitude range in the Methods of Data Selection section (<i>Each latitude range was further divided into five equal intervals: 0-30°N, 30-60°N, 60-90°N, 90-120°N and 120-150°N</i>). <b>This latitude range given in the manuscript is incorrect so please correct it.</b></li> </ol>	
<p><b>Optional/General</b> comments</p>		

**PART 2:**

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

**Reviewer Details:**

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