

Review Form 3

Journal Name:	International Astronomy and Astrophysics Research Journal
Manuscript Number:	Ms_IAARJ_128400
Title of the Manuscript:	ESTIMATION OF SEASONAL AND ANNUAL VARIATIONS OF EQUATORIAL ELECTROJET AND COUNTER ELECTROJET STRENGTH AT ADDIS ABABA AND MBOUR DURING THE ASCENDING PHASE OF SOLAR CYCLE 24
Type of the Article	Original Research Article

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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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: 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>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The manuscript explores the seasonal and annual variations of Equatorial Electrojet (EEJ) and Counter Electrojet (CEJ) strength at two key locations in Africa, namely Addis Ababa and Mbour. It uses robust geomagnetic data and provides valuable insights into these variations, contributing to understanding the relationship between geomagnetic phenomena and solar activity.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is quite long and concentrated on technical terms. A shorter and more striking title would be preferable. For example: "Seasonal and Annual Variations of Equatorial Electrojet and Counter Electrojet During Solar Cycle 24."	
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.	Abstract comprehensive	
Is the manuscript scientifically, correct? Please write here.	The subsections and structure of the manuscript are appropriate	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	It would be appropriate to add current references to the study. Especially research in the last ten years can be included.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language/English quality of the article is suitable for scientific communication 1. The title is quite long and concentrated on technical terms. A shorter and more striking title would be preferable. For example: "Seasonal and Annual Variations of Equatorial Electrojet and Counter Electrojet During Solar Cycle 24." 2. The abstract is detailed but could benefit from more concise phrasing. Simplify sentences to improve readability, such as: "The results showed that EEJ strength peaks at Addis Ababa were higher and occurred earlier compared to Mbour due to their proximity to the dip equator." 3. Ensure all figures and tables have self-explanatory captions. For example, for Figure 2, specify in the caption that the data represents annual variations of EEJ strength from 2009 to 2014 at local noon. 4. Throughout the manuscript, maintain consistency in terms like "solar cycle 24" (e.g., do not switch between "24th solar cycle" and "solar cycle 24"). 5. The Discussion section could benefit from detailing the implications of the longitudinal variation findings. How do these results align with global studies on EEJ and CEJ and what new insights are provided? 6. When summarizing the findings in the conclusion, it should be more clearly stated how the study can contribute to future research. For example: "This study provides a new perspective in understanding the relationship between local ionization rates and EEJ."	
Optional/General comments	The manuscript provides a significant contribution to understanding geomagnetic variations in the African equatorial region. Addressing these minor revisions will enhance the clarity and impact of the findings.	

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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