

Review Form 3

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_123863
Title of the Manuscript:	IONOSPHERIC TOTAL ELECTRON CONTENT RESPONSE TO THE INTENSE GEOMAGNETIC STORM OF 10TH -11TH MAY 2024
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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Review Form 3

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>
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.	In this study, the ionospheric TEC response of the May 2024 geomagnetic storm is analyzed using data from 6 GNSS stations.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is ok	
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	
Are subsections and structure of the manuscript appropriate?	The subsections and structure of the manuscript are appropriate.	
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.	This storm is quite unique in that it is accompanied by extreme solar flares and produces auroras in both the northern and southern hemispheres, mostly at equatorial latitudes. In this study, the ionospheric TEC response of the May 2024 geomagnetic storm is analyzed using data from 6 GNSS stations. It is concluded that TEC increased significantly during daylight hours at the geomagnetic equator at the onset of the storm.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References sufficient. The following study can be added to the references. "Using artificial neural networks in the investigation of four moderate geomagnetic storms (mGSs) that occurred in 2015." Advances in Space Research, 71(10), 4382-4400. https://doi.org/10.1016/j.asr.2023.01.001	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	1. The internet address "http://unavco.org/data/gps-gnss/data-access methods/dai1/dai1/dai1.html" in the section "2.1.3 GPS data" on page 5 could not be accessed. 2. You can determine the TEC data yourself with any academic GNSS software (such as Bernese, GAMIT) using the data in RINEX format, or why did you use the "gopi" software when you can use the TEC values published by global institutions. It would be appropriate to explain this in a short sentence in the manuscript. 3. What is the reason for choosing BAKE, DUND, SUTH, BELE, MBAR and BJFS stations. It would be appropriate to mention this in the manuscript. 4. The first sentence of section "3.2", "Figure 3" should be "Figure 4".	
Optional/General comments	Nothing	

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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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