



SDI Review Form 1.6

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_3356
Title of the Manuscript:	CLASSIFICATION OF DAYS USING LOCALLY GENERATED MAGNETIC INDICES FROM MAGNETIC DATA ACQUISITION SYSTEM (MAGDAS) GROUND BASED OBSERVATORIES AT THREE (3) NIGERIAN STATIONS.

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	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>
<u>Compulsory</u> REVISION comments	The abstract was poorly written. Major findings were not reflected in the abstract. etc in line 20 should be removed. Physical in line 20 should start with capital letter. The objective of the study was not clearly started. There should be space before Geomagnetic in line 47. “on the one hand” in line 55 should be removed.	Abstract has been re – written, major findings have been reflected, objective is now well stated. Line 20 has been removed, “on the one hand has been removed and other corrections have been effected. Thus the original structure has been altered.
<u>Thus Minor</u> REVISION comments	Correct the grammatical errors	Grammatical errors have been corrected.
<u>Optional/General</u> comments	The authors did a fair research work. Authors should re-write Abstract and state why they were unable to get all the quiet and disturbed days from their work. How reliable is their data?	The primary objective of this study was not to get all the quiet and disturbed days but to exploit for the first time locally obtained geomagnetic data from ground based MAGDAS magnetometers, installed in Africa, to classify days into quiet and disturbed days by engaging locally generated magnetic K and A indices thus to authenticate results obtained with the international quiet and disturbed days for the purpose of conformity using Table 2 as indicated in the discussions, we compared our obtained quiet days and disturbed days based on the 5 international most quiet and disturbed days obtained from the UK solar system data centre to



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		ascertain the correlation. The data is very reliable as MAGDAS magnetometer is one of the most comprehensive ground-based monitoring system of the earth's magnetic field distributed all-round the globe. These magnetometers were installed in the stations in Nigeria by members of the Space Environment Research Centre from Kyushu University Japan and data's validated before on ward Use. There are also other approved publications using the data obtained from its magnetometer networks. Thanks
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