



SDI Review Form 1.6

WW.

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_44511
Title of the Manuscript:	Assessing the potential of using satellite data on radiation in the analysis of earth's climate system to complement the scarce radiation data measured from the ground stations.
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:

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



SDI Review Form 1.6

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)
Compulsory REVISION comments	Abstract Please kindly change the following in your Keywords: Mean Percentage Error, Mean Absolute Deviation, Mean Bias Error. They are too common. Use words that readers can use to easily find your article online should your manuscript be published. Introduction Please provide one character space before the unit of your numerals, where appropriate. E.g. 1360 Wm⁻² not 1360Wm⁻². Please do this throughout the manuscript. Methodology Please was the satellite data a gridded data? If so how did you compare the observed data which was a point data with a gridded data. Please number your equations, so that you can refer to them where appropriate. Analysis and Results Please avoid the use of the word "Chapter 1" in this section. Please remove the following from section 3.1. Please just provide the results. Do this for the entire manuscript. Box-Ljung test data: DODOMAG\$Sunh X-squared = 6118.5, df = 20, p-value < 2.2e-16 Please the outliers that you found in 1990, were they found in all the months? If so, did you try to investigate why? You provided detailed results but little discussion. Figure Please kindly label the vertical axis of all your figures with units where appropriate. You have used two colours (red and blue) for your time series plots. Can you please indicate what they represent, either observation or satellite. You may use a legend.	
Minor REVISION comments		
Optional/General comments		

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



[SDI Review Form 1.6](#)

--	--	--

Reviewer Details:

Name:	<i>Emmanuel Quansah</i>
Department, University & Country	<i>Kwame Nkrumah University of Science and Technology, Ghana</i>