



SDI Review Form 1.6

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_44511
Title of the Manuscript:	Assesing 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	- The figures need better explanation. For example, what are the circles in Fig. 3.1? What are the curves in Fig. 3.9, etc. - (to author and editor): Figures taken from other publications need approval from these sources. - What is that 'source code'? (Example: page 7 "Box-Ljung test", etc.). Also explain what is a B-L test and what information it gives. Not many readers (including this one) have heard of it. - page 5 states that the Weibull distribution fits best to the data. Since other distributions are mentioned, it would be nice to have the three function fits shown in Fig 3.4 and 3.8	
Minor REVISION comments	- MBE and MAD need a unit when a value is shown. MPE has the unit '%'	
Optional/General comments	The manuscript shows a poor knowledge of physics and facts and is written in a strange style, especially in the introduction: - In the introduction, the description of the Sun and its interior are irrelevant; first paragraph can be skipped - "Since only a small amount of radiation can be tolerated". Well, Most radiation is received (see Fig. 1.2) - "6% ... albedo". The albedo is closer to 39% (see Fig 1.2: albedo = 100/340). - "knock electrons from their weak bonds". This is an incorrect picture. Solar cells are made of semiconductors. Light is converted into electron-hole pairs that are electrically extracted with an energy qual to that of the band gap. IR is not absorbed, but UV has more energy and is absorbed, but then converted mostly to heat and not to electric energy. - 'interpolation' is not taken the same value as the closest reading, but rather do a distant weighted averaging of cloests readings. However, a poor introduction is not enough to reject a paper. (Nearly the entire introduction can be skipped because it is rather irrelevant). The rest is written bad, but still there is enough to have it published.	

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>	



SDI Review Form 1.6

Reviewer Details:

Name:	<i>Peter Stallinga</i>
Department, University & Country	<i>Universidade do Algarve, Portugal</i>