



SDI Review Form 1.6

Journal Name:	Journal of Energy Research and Reviews
Manuscript Number:	Ms_JENRR_48387
Title of the Manuscript:	THE STUDY OF TERRESTRIAL SOLAR RADIATION IN AWKA USING MEASURED METEOROLOGICAL DATA
Type of the 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>)

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	Eq. (7), the differential of Eq. (1) (and not 2 as stated in the text), is wrong. $dE/dT = (4*\epsilon)\sigma T^3$ and not $(4+\epsilon)\sigma T^3$ In Eq. (2) the units are not correct. Left-right mismatch: Emissivity ϵ is dimensionless, while water vapor pressure has unit Pa. In Eq. (8) the units are not correct. Left-right mismatch: Temperature T has unit kelvin while enission E has unit W/m^2 . Because of these things, the calculations and reasoning cannot be checked and I would like to see the authors work on making the document mathematically sound before resubmitting it. I stopped reading after Eq. 8	
Minor REVISION comments	"Terrestrial solar radiation" is a wrong name. Radiation cannot be terrestrial and solar at the same time. The reference the authors use (1) hints at that they want to say "outgoing longwave radiation (OLR)" instead units are not written in capitals. (thus "kelvin", "watt", etc.) Variables and parameters are written in <i>italics</i> . Unit of σ is $Wm^{-2}K^{-4}$	
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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	



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