

Earth Syst. Sci. Data Discuss., editor comment EC2  
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## Comment on **essd-2021-250**

Christof Lorenz (Editor)

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Editor comment on "A global long-term (1981–2019) daily land surface radiation budget product from AVHRR satellite data using a residual convolutional neural network" by Jianglei Xu et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2021-250-EC2>, 2021

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Dear authors,

the open discussion for your manuscript is now closed and we have two detailed reviews. So please proceed by revising your manuscript according to the reviewer comments and your detailed replies. During this revision, please pay particular attention to Reviewer #1's general comments ("The spatial adjacent effect seems to be the novel advantage of the CNN method over other existing methods, but the explanation lacks detail and examples to help the reader better understand the upscaling process.") and Reviewer #2's comments 2 and 3 (use of identical station data for both training and validation).

If you have any questions, please do not hesitate to contact me.

Best regards,

Christof Lorenz