

## ***Interactive comment on “CLARA-A2: The second edition of the CM SAF cloud and radiation data record from 34 years of global AVHRR data” by Karl-Göran Karlsson et al.***

### **Anonymous Referee #1**

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The manuscript "CLARA-A2: The second edition of the CM SAF cloud and radiation data record from 34 years of global AVHRR data" by K.-G. Karlsson et al. fits the scope of the journal and deserves to be considered for publication after some changes are made.

The paper is reasonably well written and understandable. Results and figures are provided with a sufficient quality.

### Major comments

- The manuscript contains several statements on the improvements of CLARA-A2 with respect to the previous version CLARA-A1. While this is fine and informative for po-

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tential users, such improvements are not sufficiently documented. Figure 2 presents a comparison, but there is not much more than this in the rest of the paper. The authors should consider adding some more material.

- Section 7 seems to me a bit too quick. The analyses presented in the section (chiefly the one on the change of cloud conditions in the Arctic and Northern Hemisphere) is admittedly conducted as a very preliminary effort. However, even adopting this perspective, the material and figures are integral parts of the paper and would require more studies in order to be published. I am not in favour of including this part. Perhaps the space saved could be effectively allocated to address the previous point of this review.

#### Minor comments

- The black/blue colour choice of the dots in the figure makes them difficult to spot. Maybe a black/red choice would do the job much better.

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