

Interactive comment on “Solar irradiances measured using SPN1 radiometers: uncertainties and clues for development” by J. Badosa et al.

S. Schmidt (Editor)

sebastian.schmidt@lasp.colorado.edu

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Dear authors,

thank you for your excellent paper. I encourage the submission of a revised version based on the reviewers' comments and have a few minor comments of my own:

1. Minor language corrections

P8153 L19 "Bias" → "A bias"..."was found"

P8153 L29 "tracker based" → "tracker-based" I recommend to check the hyphenation in other parts of the document as well.

C3206

P8154 L11/19 "safety", not "security"

P8158 L18 "in next section" → "in the next section". Also check grammar/English of the next sentence. Consider combining with the previous one?

P8161 L6 "cloud-free"/"clear" instead of "cloudless"? P8162 L25 "heavy" → "optically thick" P8163 27 "falls away" - find better wording

2. Other comments:

P8164 aureole: Would it make sense to cite a paper by Segal-Rozenheimer (JGR)? To my knowledge, it is one of the most recent publications in this area: Segal-Rozenheimer, M., et al. (2013), Retrieval of cirrus properties by Sun photometry: A new perspective on an old issue, *J. Geophys. Res.*, 118, 4503–4520, doi:10.1002/jgrd.50185.

P8157 L18 Could you provide more text on the solar aureole statement?

P8156: STDE, RMSE: Is there a reason for not using N-1 in the denominator?

Interactive comment on *Atmos. Meas. Tech. Discuss.*, 7, 8149, 2014.

C3207