

Interactive comment on “Revising short and longwave radiation archives in view of possible revisions of the WSG and WISG reference scales: Methods and implications” by Stephan Nyeki et al.

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1. Page 1, line 26: Add a reference for the mentioned shortwave range $\sim 0.3\text{-}3\ \mu\text{m}$
2. Page 1, line 27: Add a reference for the WSG spectral range. I believe that the WSG spectral range is from less than 200 nm to larger than 50 μm ; this is mentioned in Reda et. al, "Reducing Broadband Shortwave Radiometer Calibration-Bias Caused by Longwave Irradiance in the Reference Direct Beam", Atmospheric and Climate Sciences Vol. 7 (1) January 2017 pp. 36-47. Link: http://file.scirp.org/pdf/ACS_2017011315344478.pdf
3. Page 7, line 35&36: For the BSRN deployed pyrhemometers, change text"virtually all

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pyrheliometers are believed to be traceable to the WSG" to the following text "virtually all shortwave pyrheliometers are believed to be traceable to the WSG". Then authors might need to elaborate on why WSG (with a broader spectral range) are used to calibrate shortwave pyrheliometers (with a limited spectral range). Or just open this discrepancy for a discussion within the solar irradiance community/manufacturers.

4. Page 14, Figure 2: the light and dark gray are not distinguishable in the figure, change to two different colors.

[Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-41, 2017.](#)

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