

Interactive comment on “Quality assurance of the Brewer UV measurements in Finland” by K. Lakkala et al.

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I have a very minor comment regarding the angular response measurements of Brewer spectrophotometers.

The angular response measurements were performed with a DXW lamp (P1421, L20). What was the distance between lamp and diffuser? The distance is important because errors in measuring the cosine response increase with decreasing distance. This is particularly a concern for Brewers because of the relatively large size of the instrument's diffuser, and the observation that the most sensitive area does not have to be in the center of the diffuser (P1421, L11-18). If the reference point for the measurements is the center of the diffuser but the point of highest sensitivity is not, measurements of the angular response may indicate a spurious azimuth dependence, which is not

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relevant for solar measurements.

The reference "Booth et al., 2001" (P1440, L17) has several typos. It should be: Booth, C.R., Bernhard, G., Ehramjian, J.C., Quang, V.V., and Lynch, S.A.: NSF Polar Programs UV Spectroradiometer Network 1999-2000 Operations Report, Tech. rep., Biospherical Instruments Inc., San Diego, 219 pp., 2001.

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