

## Publications

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### Refereed manuscripts:

1. Moritz Feierabend, Julian Gröbner, Ingmar Müller, Maxy Reiniger, and Christian Monte, Bilateral comparison of irradiance scales between PMOD/WRC and PTB for longwave downward radiation measurements, *Metrologia* 60 (2023) 025010 (14pp), <https://doi.org/10.1088/1681-7575/acbd51>.
2. Forgan, B. W., Gröbner, J., and Reda, I.: New Absolute Cavity Pyrgeometer equation by application of Kirchhoff's law and adding a convection term, *Atmos. Meas. Tech.*, 16, 727–743, <https://doi.org/10.5194/amt-16-727-2023>, 2023.
3. M. Feierabend, M. Reiniger, J. Bories, A. Adibekyan, R. Häfner, C. Müller, D. Fehse, J. Gröbner, I. Müller, and C. Monte, "Development and operation of the Hemispherical Blackbody (HSBB) for the calibration of infrared radiometers with a hemispherical acceptance angle," *Opt. Express* 30, 46991–47003 (2022).
4. Karanikolas, A., Kouremeti, N., Gröbner, J., Egli, L., and Kazadzis, S.: Sensitivity of aerosol optical depth trends using long-term measurements of different sun photometers, *Atmos. Meas. Tech.*, 15, 5667–5680, <https://doi.org/10.5194/amt-15-5667-2022>, 2022.
5. Kouremeti, N., Nevas, S., Kazadzis, S., Gröbner, J., Schneider, P., and K. M. Schwind, SI-traceable solar irradiance measurements for aerosol optical depth retrieval, *Metrologia* 59, 044001, <https://doi.org/10.1088/1681-7575/ac6cbb>, 2022.
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