

## Publications

Refereed Journals:

1. Gröbner J., G. Hülsen, S. Wuttke, O. Schrems, S. De Simone, V. Gallo, C. Rafanneli, B. Petkov, V. Vitale, K. Edvardson, and K. Stebel, Quality Assurance of solar UV irradiance in the Arctic, *Photochem. Photobiol. Sci.*, 2009, DOI: 10.1039/B9PP00170K
2. Scarnato, B., J. Staehelin, T. Peter, J. Gröbner, and R. Stübi (2009), Temperature and slant path effects in Dobson and Brewer total ozone measurements, *J. Geophys. Res.*, 114, D24303, doi:10.1029/2009JD012349.
3. Gröbner, J., S. Wacker, L. Vuilleumier, and N. Kämpfer (2009), Effective atmospheric boundary layer temperature from longwave radiation measurements, *J. Geophys. Res.*, 114, D19116, doi:10.1029/2009JD012274.
4. Werner Schmutz, André Fehlmann, Gregor Hülsen, Peter Meindl, Rainer Winkler, Gérard Thuillier, Peter Blattner, François Buisson, Tatiana Egorova, Wolfgang Finsterle, Nigel Fox, Julian Gröbner, Jean-François Hochedez, Silvio Koller, Mustapha Meftah, Mireille Meissonnier, Stephan Nyeki, Daniel Pfiffner, Hansjörg Roth, Eugene Rozanov, Marcel Spescha, Christoph Wehrl, Lutz Werner and Jules U Wyss, The PREMOS/PICARD instrument calibration, *Metrologia* 46 S202-S206, 2009 doi: [10.1088/0026-1394/46/4/S13](https://doi.org/10.1088/0026-1394/46/4/S13).
5. Cachorro V. E., A. Berjon, C. Toledano, S. Mogo, N. Prats, A. M. de Frutos, J. M. Vilaplana, M. Sorribas, B. A. de la Morena, J. Gröbner, N. Laulainen, Detailed Aerosol Optical Depth Intercomparison between Brewer and Li-Cor 1800 Spectroradiometers and a Cimel Sun Photometer *J. Atmos. Ocean. Tech.*, 26, 1558-1571, 2009, DOI: 10.1175/2009JTECHA1217.1..
6. Wacker, S., J. Gröbner, C., Emde, L. Vuilleumier, B. Mayer, and E. Rozanov, Comparison of measured and modeled nocturnal clear sky longwave downward radiation at Payerne, Switzerland, Current problems in atmospheric radiation (IRS 2008): Proceedings of the International Radiation Symposium (IRC/IAMAS), AIP Conf. Proc, Volume 1100, pp 589-592, DOI:10.1063/1.3117055
7. M. Anton, A. Serrano, M. L. Cancillo, J. M. Vilaplana, V. E. Cachorro, and J. Gröbner, Correction of angular response error in Brewer UV irradiance measurements, *J. Atmos. Ocean. Tech.*, 25, 2018, 2027, 2008, DOI: 10.1175/2008JTECHA1040.1.
8. Gunther Seckmeyer, Merle Glandorf, Cordula Wichers, Richard McKenzie, Diamantino Henriques, Fernanda Carvalho, Ann Webb, Anna-Maria Siani, Alkiviadis Bais, Berit Kjeldstad, Colette Brogniez, Peter Werle, Tapani Koskela, Kaisa Lakkala, Julian Gröbner, Harry Slaper, Peter denOuter and Uwe Feister, Europe's darker atmosphere in the UV-B, *Photochem. Photobiol. Sci.*, 2008, 7, 925 - 930, DOI: 10.1039/b804109a
9. Hülsen, G., Gröbner, J., Bais, A., Blumthaler, M., Disterhoft, P., Johnsen, B., Lantz, K. O., Meleti, C., Schreder, J., Vilaplana Guerrero, J. M., and Ylianttila, L.: Intercomparison of erythral broadband radiometers calibrated by seven UV calibration facilities in Europe and the USA, *Atmos. Chem. Phys.*, 8, 4865-4875, 2008.
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