Atmospheric
Measurement
Techniques
Open Access
Discussions

Interactive comment on "Inter-calibration of polar imager solar channels using SEVIRI" by J. F. Meirink et al.

B. Mayer (Referee)

bernhard.mayer@lmu.de

Received and published: 28 June 2013

The manuscript presents a method to intercalibrate polar orbiting and geostationary satellites which is applied to Meteosat/SEVIRI, MODIS, and NOAA/AVHRR. The analysis has been done carefully and a wide range of sensitivity studies has been made to ensure robustness of the results. The results are interesting and important for the scientific community and I suggest publication after consideration of the comments of the other referee (which were very detailed and there is little to add) and my minor comments.

Page 3221, line 19: This formulation not clear to me. If the calibration changes with time, shouldn't the calibration coefficients valid for the observation time be used? From

the formulation I would assume that the calibration coefficient for 2009 differs from the value for 2004, but the 2009 value should be applied to 2009 data and the 2004 value for 2004 data?

Page 3223, line 20: What value was assumed for the surface albedo?

Interactive comment on Atmos. Meas. Tech. Discuss., 6, 3215, 2013.