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Atmospheric Measurement Techniques Discussions

Interactive comment on "Polarization data from SCIAMACHY limb backscatter observations compared to vector radiative transfer model simulations" *by* P. Liebing et al.

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The paper addresses the very specific problem of the Sciamachy instrument polarisation values using the Sciatran V3.1 radiative transfer model. The simulations show large changes between the polarisation measured at ground prior to launch and later in orbit with an additional over time drift in flight. The goal of the paper is to provide a re-calibration of the PMD polarisation sensitivity using the model values. Although I have no expertise myself in the field, the very positive judgment of the first reviewer fully convinced me that the paper is acceptable for publication in AMT. Since the paper

has been submitted almost one year ago and no other reviewer of enough expertise could been found since then, my recommendation is to accept the paper, providing the authors give appropriate answers to the remarks of the only reviewer.

Interactive comment on Atmos. Meas. Tech. Discuss., 5, 2221, 2012.