

Comparison of polarization for sky radiance simulations with two radiative transfer models

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Several radiative transfer models are available to retrieve the Stokes parameters of the polarization vector, simulating the radiance of the sky. To check the accuracy of simulations of the considered models accounting for polarization, a comparison between the Stokes vectors obtained with the calculation of these sky radiances for different aerosol conditions has been done. The models which have been used are the library of radiative transfer routines and programs, libRadtran [1,2], and the radiative transfer model of GRASP (Generalized Retrieval of Atmosphere and Surface Properties) [3].

References

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