

# ADEOS-II/GLI Water Vapour Channel and Quality Assessment of Upper Tropospheric Humidity retrievals

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## **Abstract.**

The quality of radiative transfer models can be evaluated by studying the impact of these models on atmospheric parameters retrievals. For the present study, the water vapour channel (6.7  $\mu\text{m}$ ) of the Global Imager (GLI) onboard ADEOS-II satellite is used to examine the influence of a radiative transfer simulation model (RSTAR6b) on the retrieval of the clear-sky upper tropospheric relative humidity (UTRH) as observed by the ADEOS II/GLI satellite and the interaction between this humidity and the surrounding clouds.