

## ***Interactive comment on* “Reconstruction of erythemal UV-levels for two stations in Austria: a comparison between alpine and urban regions” by H. E. Rieder et al.**

H. E. Rieder et al.

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H.E. Rieder in behalf of the authors:

Dear Anders,

Thanks for referring to some recent literature. Unfortunately the Lindfors and Arola (2008) paper appeared at the same time as our study in ACPD. So we did not know about it while performing the study. The results shown in that paper are really interesting. We are looking forward to combine the wavelength dependence of cloud modification factors shown in that paper with the different temporal resolutions (hourly and daily) we have implemented in future reconstruction studies. Regarding our current paper we will keep the hourly and daily cloud modification factors. The comparison of the

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quality of reconstruction approaches in 4 different temporal resolutions is something new to the scientific community and we found no other paper dealing with that issue in the literature. It has been shown that using the model with the highest temporal resolution (HMC) gives the best agreement between observations and model results.

References:

Lindfors A. and Arola A.: On the wavelength-dependent attenuation of UV radiation by clouds, *Geophys. Res. Lett.*, (in press).

[Interactive comment on Atmos. Chem. Phys. Discuss.](#), 8, 957, 2008.

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