

Interactive comment on “Long-term solar UV radiation reconstructed by Artificial Neural Networks (ANN)” by U. Feister et al.

U. Feister et al.

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We appreciate the comment to a number of papers including ours. It announces two published papers that are commented to be of relevance to our paper. Referring to the first part of the comment, the important issue of cloud modification factors (CMF) is addressed. We note that the ANN model for reconstruction of daily radiation does not use CMF. Therefore, we cannot comment on this issue, as it is beyond the scope of our paper and has, therefore, not been discussed in our paper. The second issue raised in the comment refers to introducing another method of reconstruction of UV irradiation. We note that our study has mainly been focused on describing the ANN model and the input parameters of two close sites, Potsdam and Lindenberg. In addition, a few results are shown to illustrate how the ANN method performs at other European sites. Comparisons with other reconstruction methods are beyond the scope of our study. The

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issue of comparisons between different reconstruction methods and results obtained is addressed in papers referenced in section 4.2 (page 466).

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 453, 2008.

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