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## ***Interactive comment on “UV variability in Moscow according to long-term UV measurements and reconstruction model” by N. Y. Chubarova***

**N. Chubarova**

chubarova@imp.kiae.ru

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This is a response to the comment made by Anders Lindfors. I appreciate for the references to the publications mentioned by Anders Lindfors in his short comment, which have been included in the updated version of the paper. Here is the additional text, which have been incorporated in the new variant with the description, why we neglect the spectral features of the cloud influence:

The UV transmission of different cloud amount has been evaluated on the base of long-term measurements of UV irradiance of 300–380 nm (Chubarova, 1998). UV transmission is known to have some spectral features in its attenuation (see, for example, Chubarova et al., 1996, Lindfors, Kylling 2007). However, our model calculations have shown quite similar effects of clouds on UV irradiance 300–380nm and Q<sub>er</sub> due

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to minor difference in their effective wavelengths with few percents higher cloud transmission for Qer. Whereas we are interested in relative changes of UV irradiance, we neglect this small difference..

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Interactive comment on Atmos. Chem. Phys. Discuss., 8, 893, 2008.

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