

Interactive comment on “Organic aerosol and global climate modelling: a review” by M. Kanakidou et al.

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Received and published: 1 March 2005

We thank the Ulrike Lohmann for the pertinent comments that we have included in the revised version of the paper.

Her comments for section 2 and 12 (page 5832 and 5940) have been incorporated with the corresponding references.

page 5941: For the study by Kiehl et al. (2000, we now added “first indirect aerosol effect”.

The sentence page 5942 lines 10-12 is removed and replaced by the above mentioned comment as follows: “The impact of the semi-direct effect was discussed by several authors (Lohmann and Feichter, 2001; Kristjansson, 2002; Penner et al., 2003) who

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found it only of minor importance at the top-of-the-atmosphere and of uncertain sign. Penner et al. (2003) and Johnson et al. (2004) pointed out that the semi-direct effect can result in a cooling depending on the location of BC in the vertical with respect to the cloud.”

Ref by Lohmann et al (2000) has been added as well as ref to the recently published ACPD review paper by Lohmann and Feichter (ACPD, Dec 2004).

Interactive comment on Atmos. Chem. Phys. Discuss., 4, 5855, 2004.

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