

Interactive
Comment

***Interactive comment on “Technical Note:
Anthropogenic and natural offline emissions and
the online Emissions and dry DEPosition
submodel EMDEP of the Modular Earth Submodel
system (MESSy)” by L. N. Ganzeveld et al.***

Anonymous Referee #1

Received and published: 14 August 2006

My first major comment is that I fail to see how this technical note will be of interest to the larger scientific community. This seems to me merely a model description disguised as a technical note and no one but the people involved in the use and development of MESSy will find useful information in this note. In my early evaluation of this note, I had asked for not publishing it and I still think this should be the case, unless the authors are able to explain better the significance of this publication. To achieve that goal, a significant amount of analysis of the significance of interactive vs non-interactive emissions would help. The authors document that they are different, but we don't know

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if this matters.

I also have a list of comments that the authors might want to address

1) what is the difference between this publication and the list of publications mentioned in lines 48-52?

2) why would the ship emissions be emitted above 145m?

3) it seems to me that the increase in sea-salt emissions (line 311-315) should be related to larger values of surface (or 10m) winds, which should be more the case in the high-resolution case than the coarser resolution.

4) in the discussion at lines 337-340, what is the 10m-wind bias of the model vs observations?

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 5457, 2006.

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