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## ***Interactive comment on “Technical Note: The air quality modeling system Polyphemus” by V. Mallet et al.***

**Anonymous Referee #2**

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Mallet et al. present their modeling system Polyphemus. The manuscript is well-written, and the topic is suitable for ACP.

My only criticism is that the article mentions several other studies and models without giving a proper reference:

- page 6466, line 13: Please give at least one example for the statement “other research teams have come to the same conclusion”.
- page 6467, line 1: What is the name of the Gaussian plume model? Please give a reference for it.
- page 6467, line 2: What is the name of the Gaussian puff model? Please give a

reference for it.

- page 6467: Please give the references for the 3 dry and wet deposition schemes.
- page 6468: Please give references (or URL) for USGS and GLCF.

ACPD

7, S2868–S2869, 2007

Further suggestions:

- At several places throughout the manuscript, three dots seem to indicate that there are additional items which are not mentioned in the text (see pages 6460, 6462, 6470). It is not always clear to me what the dots stand for, and I suggest to replace the dots by more text.
- The reference “Mallet et al. (2005b)” is a technical report and thus probably difficult to obtain. Please check it can be replaced by referring to the electronic supplement and/or the Polyphebus web page.
- page 6463, line 15: check spelling of “differentiated”
- page 6465, line 15: change “it assumed” to “it is assumed”.

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Interactive comment on *Atmos. Chem. Phys. Discuss.*, 7, 6459, 2007.

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