

Response to Reviewers' comments on

Uncertainty in Lagrangian pollutant transport simulations due to meteorological uncertainty at mesoscale

(Second revision)

Several points made in the original review of the Reviewer #1 have not been addressed in a satisfactory manner. Please improve the manuscript and upload point-to-point replies. I received the following replies from Reviewer #1:

ad 1. Title: Answer unsatisfactory. The title should reflect the content.

After discussion with the editor, the title has been revised to specifically include "WRF."

ad 4. Answer unsatisfactory with respect to scatter plots.

Scatter plots are now provided in fig. S03 of the Supplement.

ad 12. I am afraid that removing abbreviations is not sufficient to make the columns well understandable. Why not add a few words in the table caption where it could be helpful?

The caption now includes descriptions of each column.

ad 14. At least in Fig. 2, a good deal of the obs curve is hidden by other curves. Also this figure shows quite some pixel structures if zoomed in - I think it is not asking too much to improve it.

After discussion with the editor, we have determined to leave the figure as it is.

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I have another comment. It became common practice in GMD to summarize the data availability in a separate section. See <http://www.geosci-model-dev.net/7/2281/2014/gmd-7-2281-2014.pdf> for an example.

I ask to introduce such a small section

Done.