

Interactive comment on “Evaluation of two ozone air quality modelling systems” by S. Ortega et al.

S. Ortega et al.

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In reference to the interactive comment from anonymous referee #1, we apologize for the delay in the response and we are pleased to add the following comments.

The aim of this paper was not to validate the two models, although this information from column model was available and it apported statistical values about its performance. The evaluation that we have presented in this article corresponds to the episode of a typical and reiterative summer conditions, thus we think it is representative and relevant for Catalonia region. Nevertheless, it would be desirable to have more episodes in other conditions, what would give a more complete evaluation.

In page 1868, Figure 3, low morning values, is poorly commented, we agree with referee that at night the ozone becomes low because of titration effects, in the morning hours ozone levels are low because the solar radiation is low and ozone formation needs properly conditions, like enough precursors concentrations and radiation. For this reason we will change line 7 in page 1868 where says: 'This was probably [...]

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pollutants' , by: 'Those low levels of ozone are related to night destruction and to low radiation during morning hours.'

Interactive comment on Atmos. Chem. Phys. Discuss., 4, 1855, 2004.

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