

Interactive
Comment

Interactive comment on “Aerosol effects on the photochemistry in Mexico City during MCMA-2006/MILAGRO campaign” by G. Li et al.

Anonymous Referee #2

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The authors have balanced their presentation and combined some nice detailed aerosol modeling with the MILAGRO campaign data and then included it in photolysis calculations.

Notation is clear and readily followed.

Since the authors are experts in radiative transfer from their previous work, it would have been useful to comment on the errors made by using just the asymmetry factor (typical of two-stream calculations which are known to be bad at morning/afternoon sun angles for the scattered light) rather than the full scattering function. But, this may be beyond the current ms.

Minor - typo, missing parenthesis for Dickerson et al. (1997). - Fig captions may need

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some additional words to describe the curves and what is shown. I had trouble with Fig 9, for example, but that could be me.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 8625, 2011.

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