

Interactive comment on “Intercomparison of aerosol optical depth from Brewer ozone spectrophotometers and CIMEL sunphotometers measurements” by A. Cheymol et al.

A. Cheymol et al.

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Dear Reviewer,

Thanks to take time to read the article and give me some feedback.

This study is a complementary study of the other ones and it has the advantage to make intercomparisons of AOD from Brewer and CIMEL at 7 different sites having different meteorological conditions and of course with different instruments.

Comparing at different sites gives more confident information on the accuracy of this method: in the other study, the intercomparison was done at one place. Moreover, relating to the comment we have from another reviewer, we make again the intercom-

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parison in using the Angstrom's law to shift the AOD from the CIMEL to 320nm. Doing that, we can then remove the wavelength effect on AOD and we obtain better results. In the other studies, only AOD at two different wavelengths from two instruments are compared and then the wavelength's effect on AOD induces a bias.

I hope I answer to your question. If not, please let me know.

Best regards

Anne

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 11997, 2008.

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