

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,

We have already included them in the article and we think that your comments help us to improve the quality of the article. Thanks a lot for your comments. We have a question on your comment 2 "It is mentioned that the measurements...and one could likely make better conclusions considering systematic differences"

I have already compared the daily mean AOD from CIMEL and Brewer but as the two instruments don't measure at the same time, the comparison was not very good. The AOD can vary very much from time to time at the same location and if the two instruments don't measure at the same time the daily mean AOD comparison becomes not

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so good. I expect that if we compare the daily mean AOD from the quasi simultaneous data, we will obtain the same correlation than what we did in the article. I don't understand in your comment what you want to say when you say that if we compare the daily mean the problem due to cloud screening will be reduced. Could you please explain to me?

In your suggestion, do you suggest to compare the daily mean AOD from both instruments based on quasi simultaneous AOD or based on all the AOD measured by each instruments?

Best regards

Anne

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

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