

Interactive comment on “A cavity ring down/cavity enhanced absorption device for measurement of ambient NO₃ and N₂O₅” by G. Schuster et al.

J. Orphal

orphal@lisa.univ-paris12.fr

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Dear Authors,

Congratulations to this very nice work. Just one comment, please:

References to several (more or less recent) papers describing very similar instruments (i.e. based on CRDS/CEAS and used for in-situ NO₃ measurements) - the list here below is probably still incomplete - are missing in this manuscript.

I do not understand why this is so, but I do suggest that the authors not only mention these papers but also discuss the performance of their new instrument compared to the other studies.

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I am surprised that the referees did not mention this problem. A short literature survey clearly shows this problem, and I think the paper will be much stronger if such a comparison and discussion is made.

In my opinion this is important.

Best regards,

J. Orphal, Paris, France

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D. S. Venables, T. Gherman, J. Orphal, J. Wenger, and A. A. Ruth, "High sensitivity in situ monitoring of NO₃ in an atmospheric reaction chamber using incoherent broad band cavity-enhanced absorption spectroscopy", *Environmental Science & Technology* 40, 6758-6763 (2006).

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