

Interactive comment on “Calibration of LACIS as a CCN detector and its use in measuring activation and hygroscopic growth of atmospheric aerosol particles” by H. Wex et al.

H. Wex et al.

Received and published: 27 September 2006

to: Anonymous Referee #2 Received and published: 12 July 2006

We thank the reviewer for the comments on LACIS and on our manuscript. We followed your hints as described in the following, with our remarks being inserted in your original text:

This manuscript presents the calibration and initial results of a powerful and important new experimental tool for the study and description of the hygroscopic properties and cloud droplet activation physics of atmospheric aerosol particles.

The topic is well suited to ACP and its readership; The title and abstract and conclu-

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

sions are appropriate.

The overall presentation well structured. The manuscript is well written and concise; it incorporates sound science and technology; it builds on previous publications by the research group and others; it leads the way for a multitude of hypotheses and experiments to test them.

1. Some editing regarding language and syntax would be of value for fluency and clarity.

Comments of the referee have been considered. The language was corrected, and some additional statements were included to increase fluency and clarity.

2. Figure 11 could possibly be eliminated since the data are in Table 1, and Figure 10 presents a graphic example thereof.

We thought about it, since they are similar, but then we decided to leave it in, so one can be convinced that the data was good, at both RHs.

3. A table of the activation results would be useful in addition to the graphs.

Has been added.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 5877, 2006.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper