

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.

Anonymous Referee #2

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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 conclusions 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.

Some editing regarding language and syntax would be of value for fluency and clarity. Figure 11 could possibly be eliminated since the data are in Table 1, and Figure 10 presents a graphic example thereof.

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

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

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Interactive Discussion

Discussion Paper