



Interactive comment on “A fast and precise chemiluminescence ozone detector for eddy flux and airborne application” by A. Zahn et al.

Anonymous Referee #1

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Review of “A fast and precise chemiluminescence ozone detector for eddy flux and airborne application” by Zahn et al.

This manuscript describes a fast ozone detector for eddy flux measurements. Careful characterization of the instrument and detailed precision analysis are presented. The manuscript is well written and material is well presented. There is, however, a major problem: Since there is no solid-state sensor discs currently available, no one can reproduce the instrument. Therefore there is little practical value for this manuscript. It is up to the Editor to decide whether to accept the manuscript for publication.

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The authors did not refer to another important technique, the wet chemiluminescence (e.g. Ray, Stedman, and Wendel, Anal. Chem., 58, 598, 1986). The wet chemiluminescence technique is important to this work because it might be a viable alternative to the solid-state chemiluminescence described here.

Interactive comment on Atmos. Meas. Tech. Discuss., 4, 6539, 2011.

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