

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

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We agreed with previous referee that the manuscript is quite interesting and well prepared. We just have some comments. In the chapter 4.2 and below you use ozone mixing ratio units while the PMT output signal is direct proportional to absolute ozone concentration (the number of ozone molecules). In this case it is not so clear how to understand sensitivity deviation for the constant ozone mixing ratio but due to pressure and temperature changes. It is clear that you have to calculate mixing ratio using the pressure and temperature means exactly inside the reaction chamber (close to solid state sensor), which could be different from the measuring volume inside the reference ozone analyzer.

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