

Interactive  
Comment

# ***Interactive comment on “Instrument inter-comparison of glyoxal, methyl glyoxal and NO<sub>2</sub> under simulated atmospheric conditions” by R. Thalman et al.***

**R. Thalman et al.**

rainer.volkamer@colorado.edu

Received and published: 24 February 2015

We liked to thank Tom Hanisco for his comments. In the revised manuscript we have added a separate Section 4.6 about the discussion of ambient glyoxal concentrations (mostly below 300 pptv, and below 500 pptv in all cases), and their NOx dependence. Glyoxal is mostly a biogenic gas, and NOx levels in biogenic regions rarely exceed a few ppbv. In urban hotspots glyoxal concentrations are often higher, and even here NOx rarely exceeds few 10 ppbv. Over oceans the concentrations can be as low as the reviewer suggests, but there is very low NO<sub>2</sub> in these environments. We have also added a separate Table 5 with correlations of these low concentration periods, and

C4963

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



separately evaluated periods in the absence and presence of NO<sub>x</sub>.

**AMTD**

Please also note the supplement to this comment:

<http://www.atmos-meas-tech-discuss.net/7/C4963/2015/amtd-7-C4963-2015-supplement.pdf>

---

Interactive comment on *Atmos. Meas. Tech. Discuss.*, 7, 8581, 2014.

Interactive  
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

