

## ***Interactive comment on “Daytime HONO Vertical Gradients during SHARP 2009 in Houston, TX” by K. W. Wong et al.***

**C. Fittschen**

christa.fittschen@univ-lille1.fr

Received and published: 15 October 2011

The authors discuss in the introduction the possibility of HONO formation from excited NO<sub>2</sub> with H<sub>2</sub>O, as reported by Li et al (2008).

Even though the authors exclude themselves this reaction as a major source of the observed HONO, we would point out our recent work showing clearly, that the observed OH radicals in the work of Li et al originate from a process involving at least 2 photons:

Direct observation of OH radicals after 565 nm multi-photon excitation of NO<sub>2</sub> in the presence of H<sub>2</sub>O Chemical Physics Letters, Volume 513, Issues 1-3, 6 September 2011, Pages 12-16 Damien Amedro, Alexander E. Parker, Coralie Schoemaeker, Christa Fittschen

Therefore this reaction is of no importance for the atmosphere.

---

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 24365, 2011.

ACPD

11, C10428–C10429,  
2011

---

Interactive  
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C10429

