

***Interactive comment on “Changes in chemical composition of the middle atmosphere caused by sudden stratospheric warmings as seen by GOMOS/Envisat” by V. F. Sofieva et al.***

**V. F. Sofieva et al.**

viktoria.sofieva@fmi.fi

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Dear Reviewer,

Thank you for your attention to our paper acp-2011-586 " Polar-night O<sub>3</sub>, NO<sub>2</sub> and NO<sub>3</sub> distributions during sudden stratospheric warmings in 2003-2008 as seen by GO-MOS/Envisat". We greatly acknowledge comments and suggestions.

Please find the detailed replies to your comments in the attached file.

Please find also the revised manuscript with the modifications marked by "tracked changes" and the Supplement file.

C12322

Yours sincerely,

Viktoria Sofieva

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/11/C12322/2011/acpd-11-C12322-2011-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., 11, 23317, 2011.