

***Interactive comment on* “Measurement of the
tropical UTLS composition in presence of clouds
using millimetre-wave heterodyne spectroscopy”
by B. M. Dinelli et al.**

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Dear colleagues,

we read your paper with great interest and congratulate for this work. We have a brief comment concerning the statement on p. 14177, l. 24 ff., "During the Darwin campaign [...] CRISTA-NF provided data for the cloud coverage only [...]". Even though it is correct that CRISTA-NF trace gas retrievals are not available for the flight mainly discussed in this paper, we would like to bring to your attention that water vapor retrievals for several flights of the SCOUT-O3 Tropical Aircraft Campaign were recently published by Hoffmann et al. (2008). Retrievals for other trace gases are proceeding.

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Cloud analysis from CRISTA-NF measurements are published by Spang et al. (2007). Data will be made available to the SCOUT-O3 community via the NILU web services or by contacting the authors directly.

Best regards

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References:

L. Hoffmann, K. Weigel, R. Spang, S. Schroeder, K. Arndt, C. Lehmann, M. Kaufmann, M. Ern, P. Preusse, F. Stroh, and M. Riese, CRISTA-NF measurements of water vapor during the SCOUT-O3 Tropical Aircraft Campaign, *Adv. Space Res.* (2008), doi:10.1016/j.asr.2008.03.018.

R. Spang, L. Hoffmann, A. Kullmann, F. Olschewski, P. Preusse, P. Knieling, S. Schroeder, F. Stroh, K. Weigel, and M. Riese, High resolution limb observations of clouds by the CRISTA-NF experiment during the SCOUT-O3 tropical aircraft campaign, *Adv. Space Res.* (2007), doi:10.1016/j.asr.2007.09.036.

Interactive comment on *Atmos. Chem. Phys. Discuss.*, 8, 14169, 2008.

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