

Interactive comment on “Evaluation of balloon and satellite water vapour measurements in the Southern tropical UTLS during the HIBISCUS campaign” by N. Montoux et al.

Anonymous Referee #4

Received and published: 19 June 2007

Just one short comment to the frost point hygrometer issue that reviewer #1 raises in the second paragraph on page S1790: it is not true that MIAWARA (the validation source for MIPAS in the quoted reference) has only been validated against NOAA frost point hygrometers. During the LAUTLOS campaign, when this validation took place, the Russian FLASH hygrometer (using a modified Lyman-Alpha technique) flew on the same platform as the NOAA frost point hygrometer and was in very close agreement with both the NOAA instrument as well as MIAWARA [Deuber et al., J. Geophys. Res. 110(D13), D13306, doi: 10.1029/2004JD005543, 2005].

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 6037, 2007.