Tropospheric ozone from IASI: comparison of different inversion algorithms and validation with ozone sondes

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TROPOSPHERIC OZONE FROM IASI: COMPARISON OF DIFFERENT INVERSION ALGORITHMS AND VALIDATION WITH OZONE SONDES

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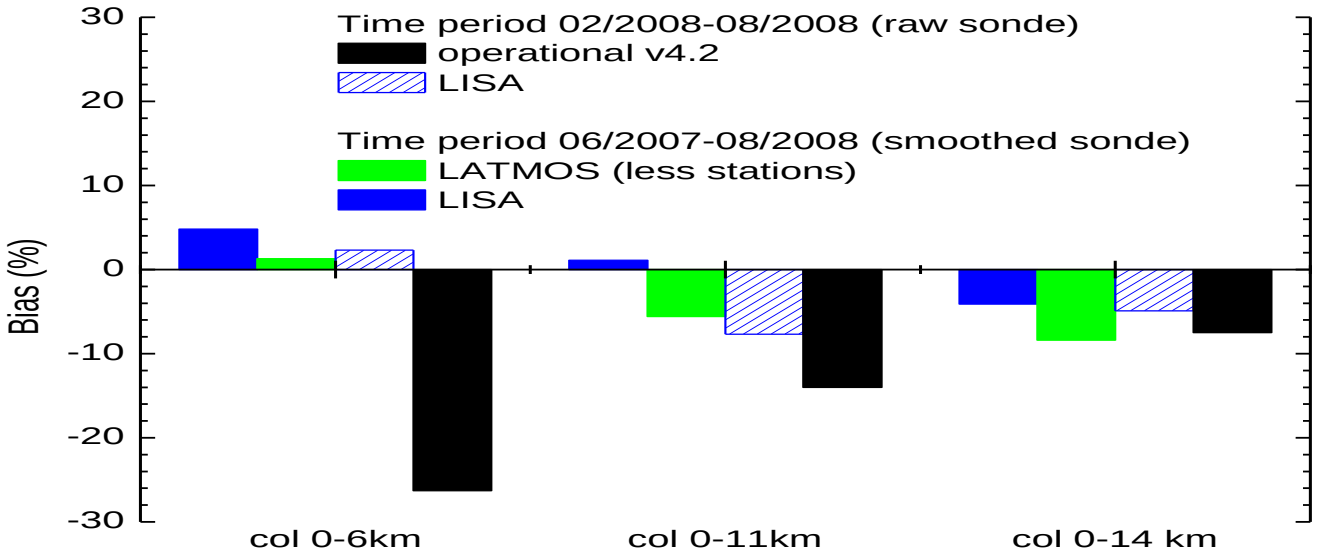
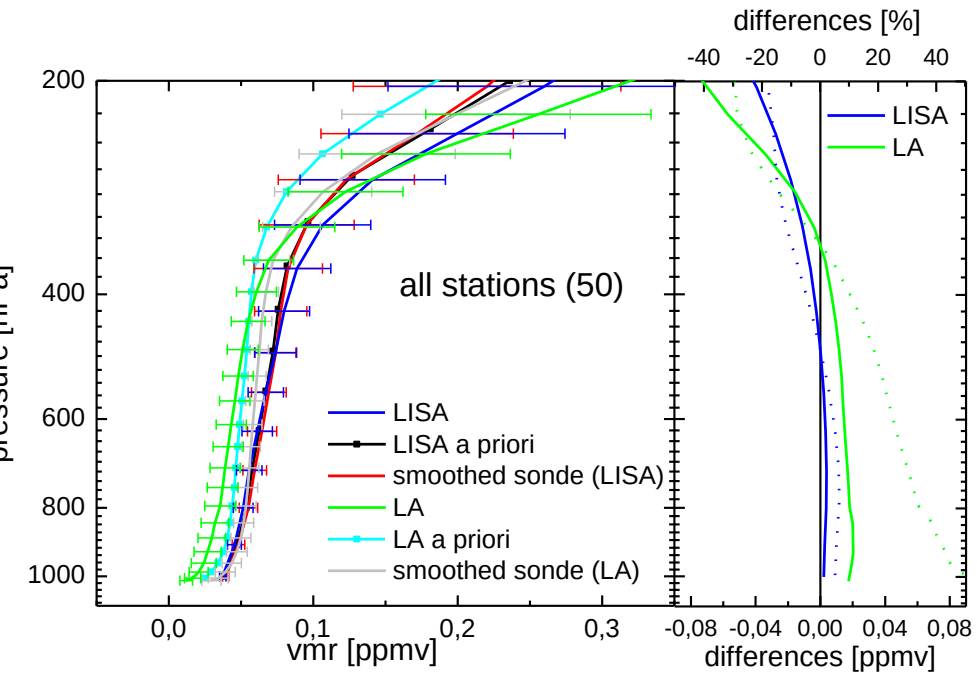
First comparison results:
Comparison of the inversion algorithms from LISA, LATMOS, LPMAA, and Eumesat:
June 2007-August 2008



C. Keim et al., *Tropospheric ozone from IASI: comparison of different inversion algorithms and validation with ozone sondes in the northern middle latitudes*, Atmos. Chem. Phys., 9, 9329–9347, 2009

Comparison of the inversion algorithms from LISA and LA for 3 months: June 2008 – August 2008: 50 coincidences for 8 stations in the NH midlatitudes

Tropospheric profiles



Partial column amounts