



CENTRE NATIONAL D'ÉTUDES SPATIALES

Validation of IASI-derived water vapor profiles using COPS data

T. Deleporte¹, C. Flamant¹, H. Herbin², C. Champollion³,
P. Di Girolamo⁴

¹LATMOS/IPSL, CNRS and Université Pierre et Marie Curie, Paris, France

²LOA, CNRS and Université des Sciences et Technologies de Lille, Lille, France,

³Géosciences Montpellier, CNRS and Université Montpellier II, Montpellier, France,

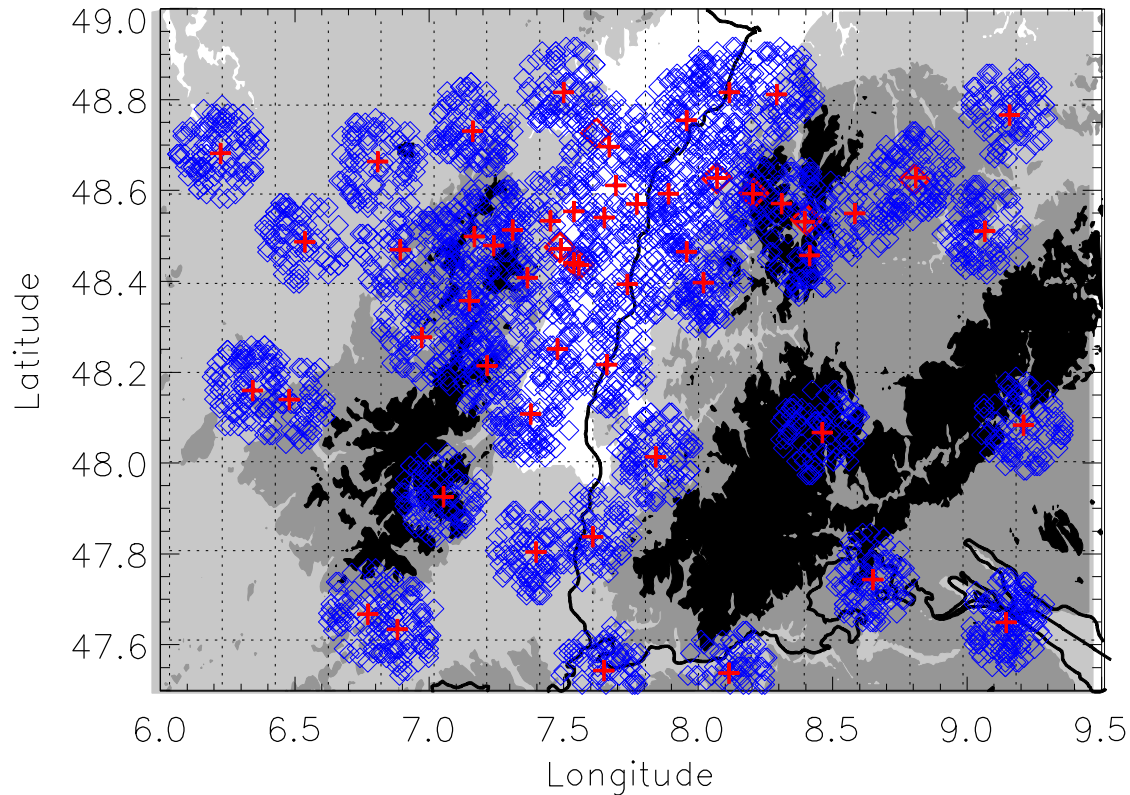
⁴DIFA, Università della Basilicata, Potenza, Italy.

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COPS: Convective and Orographically-induced Precipitation Study (June-August 2007) over the Vosges mountains, the Rhine valley and the Black Forest

→ Use data to do a validation of water vapor profiles of the IASI pre-operational period.

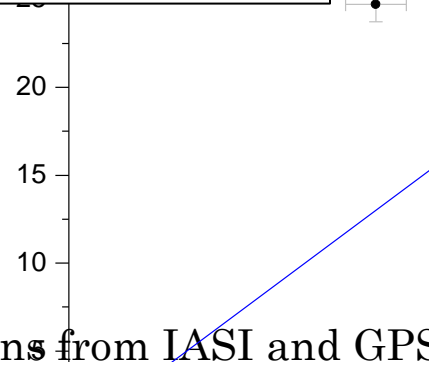


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- Surface temperature ?
- Temperature profile ?
- A priori profile ?
- ... ?

total column of water v



Comparison of the total columns from IASI and GPS
(SA/Uni. Montpellier)

Significative discrepancies between GPS and IASI are observed