

## ***Interactive comment on “IASI temperature and water vapor retrievals – error assessment and validation” by N. Pougatchev et al.***

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Received and published: 23 June 2009

The authors greatly appreciate the thorough review performed by referees. We incorporated all but one of the suggested changes in the final version of the manuscript. As for the comment made by the referee #2: "1. It is hard to understand relations derived in Section 2.2 without careful reading of referred paper Pougatchev (2008). One may be recommended to discuss the topic in more details." We tried to address this comment but to make the section really detailed we had to include the whole consideration from Pougatchev (2008); by our opinion that makes the current paper less focused, therefore we respectfully leaving this section as is.

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Interactive comment on Atmos. Chem. Phys. Discuss., 9, 7971, 2009.

C2144