

Interactive comment on “Tracking and quantifying volcanic SO₂ with IASI, the September 2007 eruption at Jebel at Tair” by L. Clarisse et al.

Anonymous Referee #2

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General comments

The authors describe in good detail the retrieval of SO₂ total column values from measurements with the IR sounder IASI and use the eruption at Jebel at Tair as example, after an Introduction that places the work well in a relevant context.

The paper is written very clearly and it is to the point, giving details where needed.

The description of the retrieval method gives sufficient details for the reader to grasp the essence of the methods applied and to understand what is possible with such measurements.

The application to the Jebel at Tair eruptions is described clearly and accurately, and the figures presented illustrate the aspects treated well.

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Specific comments

None.

Technical corrections

page 16919, line 21: remove "either" (there is no "or" in the sentence)

page 16925, line 6: add comma in "... 2005b), Coheur et al. ..."

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 16917, 2008.

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