

## ***Interactive comment on “Validation of satellite SO<sub>2</sub> observations in northern Finland during the Icelandic Holuhraun fissure eruption” by I. Ialongo et al.***

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We would like to thank all three referees for the constructive comments. We have done our best in answering all the questions. The main changes in the revised manuscript are: 1) We now refer to “comparison” instead of “validation”. We have also changed the title of the manuscript to further highlight this change and the focus of the paper. 2) We have added a new section: 3.3 Analysis of the uncertainties 3) We have added five new figures in the supplementary material in order to answer the points made by referees. The point-to-point answers to the comments from the referee n.1 are included in the attached file.

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Please also note the supplement to this comment:  
<http://www.atmos-meas-tech-discuss.net/8/C327/2015/amtd-8-C327-2015-supplement.pdf>

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