

Interactive
Comment

***Interactive comment on “Evaluation of
ozonesondes, HALOE, SAGE II and III,
Odin-OSIRIS and SMR, and ENVISAT-GOMOS,
-SCIAMACHY and -MIPAS ozone profiles in the
tropics from SAOZ long duration balloon
measurements in 2003 and 2004” by F. Borchì and
J.-P. Pommereau***

Anonymous Referee #1

Received and published: 21 December 2006

This is a carefully carried out piece of work comparing SAOZ ozone profiles from the tropical region with a large number of new and established satellite instruments. Such work is important in the refinement of retrieval algorithms and the analysis of the sources of biases and errors and should be published.

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General comments Although the various retrieval versions are carefully indicated in the text they are not indicated in the abstract and could in the future, when new improved versions are available, lead to incorrect conclusions on the accuracy of various datasets being drawn by a casual reader.

The paper would benefit of the methodology used to correct for horizontal and vertical movements were described in a little more details even if a reference to earlier work is given. This is particularly true since it would not significantly affect the length of this otherwise long paper.

Specific comments The language in the paper is generally very good but I did note a few errors

Page 10088 line 4 “for long “ should be “for a long time”

10098 line 13 “provides” should be “provided”

10103 line 4 “could” should be “can”

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 10087, 2006.

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