**Atmospheric
Chemistry
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Discussions**

Interactive
Comment

Interactive comment on "Validation of Ozone Monitoring Instrument (OMI) ozone profiles and stratospheric ozone columns with Microwave Limb Sounder (MLS) measurements" *by* X. Liu et al.

Anonymous Referee #3

Received and published: 12 December 2009

The authors present an intercomparison between stratospheric O3 profiles and partial column amounts deduced from OMI and MLS, respectively. The paper is very good, both wrt technical approaches which are applied in a competent manner and quality of presentation. Some requests for minor complements and technical corrections have already been collected by referees #1 and #2.

As already stated by the other referees, this is strictly not a paper to be published in ACP(D), as it presents no new scientific findings concerning the atmosphere, not even novel methodological approaches. Nevertheless, the manuscript under consideration

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presents an accurate and diligent exercise of validation (which is exactly the appropriate approach to perform this kind of task). Referee #1 argues that it would not be fair to block the publication process in ACP at the current stage, and I tend to agree to this view (but find it difficult to rate the scientific significance of this paper in the framework of the prescribed terms "substantial new concepts, ideas, methods, or data").

To avoid this kind of recurring problem in the future, may I suggest that the ACP and AMT editorial boards set up some kind of cooperation / joint board to develop a formalised procedure convenient for the authors of propagating manuscripts from ACPD to AMT (to allow a manuscript unisonously recognised by the referees as being of good quality but rated inappropriate for ACP due to its technical orientation being forwarded to AMT without further circumstance)?

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 24913, 2009.

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