

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 #5

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The paper presents a detailed validation study of OMI ozone profiles using MLS measurements. The current paper is well written and structured and the results are presented clearly and the conclusions of the authors are well justified. Many validation papers of satellite products have appeared in the past in ACP receiving afterwards many citations and therefore I don't think that at this stage we should discuss whether this manuscript is appropriate for ACP or more suitable for AMT. This should have been done already by the editors and I agree with one of the referees, who suggests that the editorial boards of both journals should agree on a strategy on this issue for future

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submissions. Since this is only one and eventually the first of the planned validation papers, I also agree with one of the reviewers that the authors should add a paragraph describing in general their validation approach, so that the reader is aware what to expect in the other planned submissions. Otherwise one could argue that many important aspects, relevant to the validation of the ozone profiles are missing from the manuscript.

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