

Interactive comment on “Geophysical validation of SCIAMACHY Limb Ozone Profiles” by E. J. Brinksma et al.

E. J. Brinksma et al.

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We thank the anonymous referee for the constructive comments on our paper.

About the "screening process". We felt the OL data contained profiles that were clearly unphysical, and defined a criterion to remove these, because not doing so would have resulted in conclusions that had been much less useful than those reached now - because the averaged result would have been significantly biased by them. We argue in the paper that we call part of our exercise "evaluation", and another part "validation" of the OL ozone profiles. We feel that this use is in line with the comments made.

About the zigzag shape, we will rephrase our description of the profiles on this topic in the final version of our ACPD paper.

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