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Interactive comment on “Ozone seasonality above the tropical tropopause: reconciling the Eulerian and Lagrangian perspectives of transport processes” by M. Abalos et al.

Anonymous Referee #1

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Abalos et al. discuss the origin of the large annual cycle in ozone in the tropical lower stratosphere. The authors of the paper have previously published on this topic, and have arrived at somewhat different conclusions. This paper explains how the differing results came about, and shows that both previously published calculations were correct, but that one method cannot answer the specific question what "causes" the annual cycle. The paper is convincing and well written, and I recommend publication as is.

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 19291, 2013.

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