

Interactive comment on “Two mechanisms of stratospheric ozone loss in the Northern hemisphere, studied using data assimilation of Odin/SMR atmospheric observations” by Kazutoshi Sagi et al.

Anonymous Referee #1

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The paper is a study to quantify ozone loss in the polar vortex using the technique of chemical data assimilation. The paper describes the chemical data methodology and makes comparison with other methodologies. In particular, there is a comparison with the work of Konopka et al. This needs further work.

The paper should be suitable for publication once the authors address the comments in the attached pdf file, which appears as a supplement file.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/acp-2016-511/acp-2016-511-RC1-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2016-511, 2016.

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