

Interactive comment on “Nitrification of the lowermost stratosphere during the exceptionally cold Arctic winter 2015/16” by Marleen Braun et al.

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Received and published: 31 March 2019

This is a thorough and interesting paper on an important topic. I have some brief comments: the phenomenon has been observed in the Antarctic too, consistent with the notion that the conditions in the outer vortex there in 1987 resembled the inner Arctic vortex as regards potential for PSC formation. The effect was indeed observed in <https://doi.org/10.1029/GL017i00453> from the DC-8 in the Arctic winter of 1988/89. Its occurrence in the Antarctic is discussed in <https://doi.org/10.1002/qj.49712353702>.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-108>, 2019.

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Discussion paper

