

Interactive comment on “Chlorine partitioning near the polar vortex boundary observed with ground-based FTIR and satellites at Syowa Station, Antarctica in 2007 and 2011” by Hideaki Nakajima et al.

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This is an interesting paper. There is relevant history in the following references, which support some of the authors' points. J Chem Soc Farad Trans, 91,3063-3071,(1995). JGR-D, 102(D11),13,325-13,253 (1997). Faraday Discussions, 100, 389-410 (1995). Geophys. Res. Lett., 24, 2651-2654 (1997).

The last of these defines a process that has relevance to photochemistry at the vortex edge and which apparently has not been considered.

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