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Comment on acp-2021-646

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Community comment on "Analyzing ozone variations and uncertainties at high latitudes during Sudden Stratospheric Warming events using MERRA-2" by Shima Bahramvash Shams et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2021-646-CC1>, 2021

Hi Shima,

I just noticed your paper and I only skimmed through it briefly. However, I wanted to make a very minor comment: A few months ago, a student of mine and I published a paper on a very similar topic, using MERRA-2 to describe the changes in ozone over the Arctic and the Tropics in response to SSWs and Vortex Intensification events. Here is the reference:

Hong, H. J., and T. Reichler, 2021: Local and Remote Response of Ozone to Arctic Stratospheric Circulation Extremes. *Atmos. Chem. Phys.*, **21**, 1159-1171.

Maybe, you could cite our paper in your literature review.

With kind regards,

Thomas Reichler