

Interactive comment on “Contribution of air-mass transport via the South Asia High to the deep stratosphere in summer” by Yu Liu

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Received and published: 5 November 2020

A method to assess transport by application of the continuity equation to measured trace gas fields has been published by von Clarmann and Grabowski (Atmos. Chem. Phys., 16, 14563-14584, 2016, <https://acp.copernicus.org/articles/16/14563/2016/>). This method has been developed further and applied to trace gas fields by von Clarmann et al. (Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-704>, 2019) and was validated by von Clarmann and Grabowski (Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-72>, 2020.). To vindicate the claim of novelty of the method by Yu Liu I think it would, at the very least, be adequate to pinpoint where the new method substantially diverges from the one by von Clarmann and Grabowski.

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-990>, 2020.

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