

Atmos. Chem. Phys. Discuss., referee comment RC1  
<https://doi.org/10.5194/acp-2022-497-RC1>, 2022  
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## **Comment on acp-2022-497**

Richard Anthes (Referee)

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Referee comment on "Monitoring sudden stratospheric warmings under climate change since 1980 based on reanalysis data verified by radio occultation" by Ying Li et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2022-497-RC1>, 2022

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This is an excellent, well-written paper that contributes to the observation and diagnostics of Sudden Stratospheric Warmings (SSW). I have no substantive comments, and recommend that the paper be accepted after consideration of my editorial comments, which I have made on the attached file. Most of these are suggested wording changes for consideration by the authors.

There is no need for me to review the revised version.

Please also note the supplement to this comment:

<https://acp.copernicus.org/preprints/acp-2022-497/acp-2022-497-RC1-supplement.pdf>