

Interactive comment on “Stratospheric ozone measurements at Arosa (Switzerland): History and scientific relevance” by Johannes Staehelin et al.

Anonymous Referee #2

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I found the paper very interesting, as I'm not a specialist in stratospheric ozone so historical details of how some of the researched developed was new to me. Overall the paper is well written and I only saw a couple of minor grammatical errors.

It gives a detailed description of how total column ozone measurements were initiated at Arosa with the aim of studying the impact of mountain air on recovery from tuberculosis and eventually contributed to our understanding of the stratospheric ozone layer and the damage being caused to it by our emissions. The story it tells of pressures from competing scientists and institutes or the difficulties in maintaining funding, illustrate the ways in which science develops in the face of many challenges. It highlights the importance of maintaining high-quality and long-term measurement facilities as the information they give can evolve with time as we become aware of new processes and

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the consequences of human activity. The site is of continued importance for studying the impact of climate change on ozone as well as other factors.

My only suggestion would be that the abstract could possibly put a greater emphasis on the value of the historical measurements and continuing them into the future, in the light of climate change.

Grammatical notes are in the attached pdf.

Please also note the supplement to this comment:

<https://www.atmos-chem-phys-discuss.net/acp-2017-1079/acp-2017-1079-RC2-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2017-1079>, 2017.

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