

Hist. Geo Space. Sci. Discuss., referee comment RC2
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Comment on hgss-2021-19

Anonymous Referee #2

Referee comment on "History of the Tromsø ionosphere heating facility" by Michael T. Rietveld and Peter Stubbe, Hist. Geo Space. Sci. Discuss.,
<https://doi.org/10.5194/hgss-2021-19-RC2>, 2021

This manuscript describes very well the history of a major ionospheric heating facility near Tromsø, Norway (so-called the Heating) over about half century. The manuscript is well written and will provide the community with important information including scientific results as well as the project itself. Therefore, I recommend this paper should be accepted as it is except for minor corrections below.

Minor comments

Line 13: "incoherent scatter" is used many times; so I recommend to use "IS" after this over the manuscript.

Line 35: The way to reference "(Radio Science, 9, 11, 1974)" is correct?

Line 53: I would like to recommend you to describe what "Dipl. Phys." stands for somewhere in the manuscript (like dBi at line 82-83).

Line 192, 245: Should write which height range lower ionosphere corresponds to.

Line 251: "guy" is correct? "guide"?

Line 259: What "5.5-8" stands for? I would suggest to rewrite it.

Line 310: I would recommend to use "the Heating facility" (like line 346) rather than "the HF facility". Or, is "the HF facility" a different one?

Line 321: remove ",": Rietveld et al. (2016)

Line 334: add (): Rietveld et al. (2016)

Line 337 remove "s": seems to work

Line 396 "a peer-review programme" is correct, not "system".