Interactive comment on “An emission inventory of sulfur from anthropogenic sources in Antarctica” by S. V. Shirsat and H. F. Graf

Anonymous Referee #1

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I would suggest this paper be accepted as it is as it is a very novel project and a much needed study of the effects of humans and indeed of our own peers (scientists) in Antarctica.

The methods have been justified by similar inventories/studies in the more accessible parts of the world so suggesting they can transfer to Antarctica seems to be very valid. Where there were gaps or uncertainties in the data, the reasons have been illustrated and the best alternative used. Hopefully this lack of data from Antarctic stations will be highlighted from this study and will help to increase the high standard of reporting on energy and emission issues in Antarctica.

It would be nice to make the links to inventories of other emissions on the continent,
not just SO2. This may be for future work of the same or other authors.

The author has made considerable corrections and additions during the review stage and I believe the paper is in a very good stage for final publication.

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 1907, 2009.