

2nd Review on Hindley et al. Stratospheric gravity waves over the mountainous island of South Georgia: testing a high-resolution dynamical model with 3-D satellite observations and radiosondes

In the extensively revised version of the manuscript, the authors have greatly improved the model data processing that now results in a persuasive comparison between AIRS and the local-area simulations. My previous comments were adequately addressed and the structure of the manuscript improved. I only have a few technical corrections for this revised version of the manuscript.

Technical corrections:

L22: ... agreement with the model-as-AIRS.

L123: no need to introduce 2GW abbreviation because it is never used elsewhere in the paper

L267: (Fritts and Alexander, 2003; Ern et al, 2004).

L267: Eq1 is the general definition and not restricted to mid-frequency GWs. Applies for Eq. 2 later in the paper.

L269: extracted → separated

L277: during periods where surface zonal winds are low (Figs. 2a,b)...

L460: Subsection "6.3.1 3DST analysis" could be introduced to have not only one subsection in 6.3

L781: could be "Summary and Conclusions"

L811: 30-40 km

Fig.7: You can add that the assumption of westward propagation is based on model results, e.g. In this example, westward propagation has been assumed based on sequential model results in order to...