

Dear Prof. Batista

Thank you for considering our paper to be published in the ANGIO. We have done our best to address all concerns highlighted by you. Our point-by-point reply is as follows, and we have also tracked the changes in the manuscript.

EDITOR: Although you have attended most of the questions raised about the previous version of the manuscript, I feel that you did not answer the main question raised by reviewer#2 in his interaction.

AUTHORS: Okay, our apologies for that. In this version, we have done our best to address those points properly.

EDITOR: The reviewer manifested a concern that the paper “should not concentrate only in presenting the determined wave parameters, but the discussions should extend to the physics of the wave propagation”. As editor, I suggested you to introduce a paragraph to attend this comment. It seems that no modification in the text was made in order to attend it.

AUTHORS: We have not understand it very well. We have presented the parameters of the GWs and we have also presented a deep discussion in the propagation of the GWs by using two techniques: Ray-tracing and blocking diagrams. From the ray-tracing we have shown that the likely sources of the GWs must be the ITCZ, however, it cannot explain the anisotropy in the propagation direction of the GWs. By using the blocking diagrams, one can see that the wind filters the waves that could propagate to south and southwest direction, allowing only southeastward GWs propagation. Besides, it is important to observe that the parameters of the GWs (periods, wavelengths) are different suggesting again that the source must be as large as the ITCZ. So, we have included in the Introduction a statement explaining this, and a paragraph in the result section as well.

Page 6, Line 7-9:

One important finding from the spectral analysis is that there is a wide spectrum of gravity waves being generated. It strongly suggests that the source of these GWs must be large (Vadas and Fritts, 2009). In order to investigate the likely sources of these waves, the next section of this work presents and discusses the results from the ray-tracing.

EDITOR: There is a second important point I have to insist on: please check Equations (1) and (2) since they seem to be incorrectly written. This was already pointed out in my previous comments and no action was taken.

AUTHORS: Thank you, we have revised the equations

EDITOR: Pg 2, L 33: Please remove the sentence “In the study, the vertical temperature

measurements from 20 to 108 km were obtained from SABER” since this information is already presented on lines 32-33.

AUTHORS: Yes, thank you!