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comment

Interactive comment on "Propagation to the upper atmosphere of acoustic-gravity waves from atmospheric fronts in the Moscow region" *by* Yuliya Kurdyaeva et al.

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Many thanks to the distinguished reviewer for his careful work with the manuscript and very useful comments.

Below, our responses to the reviewer's comments are given.

I think, It would be good to check in detail the mathematical formulas, of which there are many, and more carefully check English.

Really, English needs some improvement. We will do it. Mathematical formulas will be carefully checked as well.

Page 2 line 12: What does the word "development" mean in this context?

It means formation and evolution. We will replace "development" so that no further questions arise.

Page 2 line. 29: It is written 10-4, probably 10^{-4} actually.

It will be corrected.

Page 4 line 10: There is no explanation of $Q_{viscous}$.

$Q_{viscous}$ is the force of viscous friction.

Page 6 line 8: Instead of T must be τ?

Indeed, T is τ in meaning of the characteristic time of switching on of the boundary source. The slow switching on of the boundary source is introduced to eliminate transients. It will be corrected.

Page 5, line 23: What is meant by "input boundary source"?

This is a misunderstanding. It will be corrected.

Page 6 line 23 The text states "In Fig.4b, d, the wave field after 40 minutes and in Fig.4c, e 55 minutes". However, in the caption to the figure, 40 minutes corresponds to the image b, e, and 55 minutes - c, f. Correct it.

Thanks. It will be corrected.

The authors.

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