Comment on angeo-2020-68
Anonymous Referee #1


In this paper, numerical simulation of the gravity waves (GWs) due to D region disturbance of different origins such as solar flares, solar energetic particles, thunderstorm activity using Glukhov-Pasko-Inan (GPI) model of the electron density in the D region has been carried out. The technique and model are scientifically sound and technically valid and present along with new results, the results consistent with earlier findings also.

The sentence line 20 -21, "D region 20 disturbances are of different sources such as: solar flares, solar energetic particles, thunderstorm activity..." needs to be supported with relevant references. Some of the suggested references are:

- Kumar and Kumar, Solar flare effects on D-region ionosphere using VLF measurements during low and high solar activity phases of solar cycle 24, Planets and Space (2018) 70:29 https://doi.org/10.1186/s40623-018-0794-8

I do recommend the publication of this paper.