

Review of "Radar observations of winds, waves and tides in the mesosphere and lower thermosphere over South Georgia island (54°S, 36°W) and comparison to WACCM simulations"

General comments

- Reviewer recommends this manuscript for publication to ACP. The authors' reply is convincing especially regarding the estimation of the horizontal propagation of gravity waves. It seems that the azimuthal distribution of horizontal radial velocity can be important in estimating the horizontal propagation direction of gravity waves observed within the field of view of meteor radars. Also reviewer appreciate authors' efforts to report mesospheric systematic biases that even the state-of-art high-top models like WACCM (CESM2) have. This report will help the community focus more on those issues. Thank you authors and the editor for having chance to read this good paper on meteor radars and gravity waves.