

## ***Interactive comment on “Distribution of the Earth’s radiation belts protons over the drift frequency of particles” by Alexander S. Kovtyukh***

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Deeply respected Dr. Elias Roussos,

all comments of the reviewers have been taken into account, the text has been corrected (the final version of the manuscript is given in AC10). The complete response to Anonymous Referee #1 (RC1) is in AC1 (AC4), and the revised text is in AC2 (corrections) and AC3 (revised and complemented). The complete response to Anonymous Referee #2 (RC2) is in AC5 (AC9), and the revised text is in AC8. One extra article “the” has been removed from the title of the article.

With grand regard, Alexander S. Kovtyukh

I am very grateful to Referee #1 and Referee #2. I reproduce here my reply to these  
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reviews.

Deeply respected Referee #1,

I am very grateful to you for such an exclusively generous and thorough review. Thank you very much for these corrections! All these comments are very helpful for me and it is taken into account in the manuscript. I think that the manuscript now is much linear and easy to read. A paragraph has been added to Sect. 2, which explain as I estimate the anisotropy of proton fluxes at  $L > 6$  (highlighted in green).

With grand regard, Alexander S. Kovtyukh

Deeply respected Referee #2,

I am very grateful to you for an exclusively generous and thorough review. All these comments are very helpful for me and it is taken into account in the manuscript. In the last version of the manuscript, the text has been carefully checked and aligned with the rules of English grammar. Corrections made by Referee #1 highlighted in blue. This revised version of the manuscript contains several clarifying notes (Lines 137-143, 362-363, 383-386), which are highlighted in green.

With grand regard, Alexander S. Kovtyukh

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Interactive comment on Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2020-67>, 2020.