

Copenhagen 3 March 2021/PSt

Responses to AnGeo Interactive Reviews on:

Manuscript <https://doi.org/10.5192/angeo-2020-53> “Comment on “Identification of the IMF sector structure in near-real time by ground magnetic data” by Janzhura and Troshichev (2011).” by Peter Stauning.

I most gratefully acknowledge the efforts invested in the report from an anonymous referee (<https://doi.org/10.5194/angeo-2020-53-RC1>) as well as the short comment (<https://doi.org/10.5194/angeo-2020-53-SC1> from Dr. Troshichev, (corresponding) author of the commented article.

Handling of interactive comments

The specific comments from anonymous Referee #1 have been addressed in Author Comment AC4, <https://doi.org/10.5194/angeo-2020-53-AC4> . I completely agree with reviewer’s points which are well represented in the manuscript.

The comments from Dr. Troshichev, corresponding author of the commented article, have been addressed in Author Comment AC1, <https://doi.org/10.5194/angeo-2020-53-AC1> .

A specific point raised by Dr. Troshichev deals with the IAGA endorsement procedure. Dr. Troshichev mentions the work by a special Task Force team up a V-DAT meeting in May 2010 as basis for the endorsement of the PC index. However, the IAGA Task Force comprising Drs. M. Menvielle, H. McCreadie and C. Demetrescu delivered their report “PC Index – IAGA Endorsement” in the document: IAGA_documentation_20130225.pdf dated 20 Aug. 2013. This document does not mention a V-DAT meeting in May 2010.

Supplementary comments on the publication by Janzhura and Troshichev (2011) and a summary of the IAGA PC endorsement handling are provided in <https://doi.org/10.5194/angeo-2020-53-AC2> and <https://doi.org/10.5194/angeo-2020-53-AC3>

Changes in the submitted manuscript

Following the initial review the modified version dated 8 November 2020 was accepted for preview at the AnGeo Discussion Portal as <https://doi.org/10.5194/angeo-2020-53>

Compared to the 8 November 2020 version, the text in the present “Final Manuscript” dated 3 March 2021 has been changed by updating the reference to DTU Space portal in two places from <ftp://ftp.space.dtu.dk/WDC/indices/pcn/> to <https://doi.org/10.11581/DTU:00000057>

The figure parts presented in separate images in the 8 November 2020 version have been combined to be presented in one figure for each set. The figures have not been modified otherwise.

Copenhagen 3 March 2021

Peter Stauning
pst@dmi.dk

