

## ***Interactive comment on “Comment on “Identification of the IMF sector structure in near-real time by ground magnetic data” by Janzhura and Troshichev (2011)” by Peter Stauning***

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Comments to MS <https://doi.org/10.5194/angeo-2020-53> Title: Comment on “Identification of the IMF sector structure in near-real time 5 by ground magnetic data” by Janzhura and Troshichev (2011). Author: Peter Stauning, Danish Meteorological Institute, Lyngbyvej 100, Copenhagen.

MS is devoted to analysis of discrepancies in results of identification of the IMF sector structure by methods put forward by Janzhura and Troshichev [2011] and by Stauning

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[2011]. Author (Dr. P.Stauning) (a) expresses the criticism concerning the method and results presented in [Janzhura and Troshichev, 2011], (b) identifies this method with the unified PC derivation method [Troshichev et al., 2006], and (c) makes the conclusions that “the IAGA endorsed PC index is to a large extent based on the methods described in Janzhura and Troshichev (2011)”. In this connection it should be noted that (1) method of the IMF SS identification [Janzhura and Troshichev, 2011] has no any relation to the unified PC derivation procedure [Troshichev et al, 2006]. Dr. Stauning could not understand this principal fact during elapsed 10 years suggesting his scientific insolvency, (2) the unified PC derivation method [Troshichev et al, 2006] was approved by IAGA Division V-DAT at special meeting in Vienna in May 2010. Just this Division V-DAT recommendation was a basis for the IAGA endorsement. This fact is well known to Dr.Stauning and suggests his scientific unscrupulousness. I recommend to decline the manuscript of Dr.Stauning taking into account that he has published the papers with the same content [Stauning, 2013b, 2015, 2018a,c, 2020].

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