

Interactive comment on “Sodankylä ionospheric tomography dataset 2003–2014” by J. Norberg et al.

Anonymous Referee #1

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This paper reports total electron content (TEC) estimated from tomographic technique using beacon signals transmitted from low-earth-orbit satellites. The estimated TECs are compared with TEC taken from the IRI model. The authors show that the IRI-TEC is 40% larger than the TEC obtained from the tomography. Based on this result, however, the authors do not obtain any conclusions which could contribute to scientific and/or technical studies. Consequently, this paper is not suitable to be published as discussion paper. This reviewer recommends this paper to be rejected. The authors need to discuss reasons of the discrepancy. Does the IRI overestimate TEC? If so, the IRI model needs to be improved.

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