

Interactive comment on “A new approach for GNSS tomography from a few GNSS stations” by Nan Ding et al.

Anonymous Referee #1

Received and published: 23 April 2018

General comments:

The proposed in the paper new solution in area of GNSS troposphere tomography is very interesting especially in the case of a small number of GNSS stations in the area covered by the model. It is a fact that with a small number of GNSS stations, a rectangular tomographic model does not reflect the actual GNSS signal paths, and thus the accuracy of the SWD determination is poor. The proposed new approach for determination of tomographic fields in fact roughly an upside-down cone fitting the real distribution of GNSS signals. The proposed solution is clearly written. Also the case studies are documented very well and obtained results confirm assumptions.

Minor comment, question

C1

What is the minimum cut of angle for satellites in proposed new approach? The low satellites are also important for better representation of the distribution of water vapour.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-426, 2018.

C2