

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

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Thank you for your comments on our manuscript. The minimum cut of angle for satellites is 20 degree in new approach. Although the GNSS tomographic observations with low satellite elevations include more water vapour information, the observations, always together with sparse signals, often lead to bad results. This is because the sparse signals increase the tomographic region without comparable observations to calculating the additional parameters in this extended region (Sparse signals were shown in Figure 9(c) and 9 (d) with blue lines in manuscript). In the future, low satellites information may be utilized by non-uniform tomographic model through flexible node parameter approach. For example, the region of sparse signals has a smaller number of nodes than that of other parts of tomographic region.

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