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Atmospheric Measurement Techniques Discussions

Interactive comment on "Application of locality principle to radio occultation studies of the Earth's atmosphere and ionosphere" *by* A. G. Pavelyev et al.

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Reply to interactive comments of Dr. Li Wei to paper Application of locality principle to radio occultation studies of the Earth's atmosphere and ionosphere By A. G. Pavelyev, Y.A. Liou, S.S. Matyugov, A.A. Pavelyev, V.N. Gubenko, K. Zhang, and Yu. Kuleshov As follows from the interactive comment to our manuscript prepared by Dr. Li Wei our manuscript contains new formulation of the locality principle which is important for modernization of the RO technology in the different branches of the GNSS geophysical remote sensing: (i) measurements of the total absorption; (ii) localization of the inclined ionospheric layers; (iii) detection of the small-scale irregularities contributions

in the RO signal; (iv) introduction a new index of the ionospheric activity. Dr. Li Wei agreed that manuscript can be published in the AMT journal and introduced some suggestions which can improve our paper. We agree with these comments and we will make minor corrections in our manuscript taking into account the remarks and suggestions proposed by Dr. Li Wei. We are grateful to Dr. Li Wei for constructive comments and remarks.

Please also note the supplement to this comment:
http://www.atmos-meas-tech-discuss.net/8/C293/2015/amtd-8-C293-2015-supplement.pdf

Interactive comment on Atmos. Meas. Tech. Discuss., 8, 721, 2015.