

Interactive comment on “High Resolution Vertical Total Electron Content Maps Based on Multi-Scale B-spline Representations” by Andreas Goss et al.

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Dear Referee,
Thank you very much for your comments.

Page 2, line 13:

That is right. Also for radio occultations the bending angle of the signal is used to derive the electron density within the ionosphere.

At this stage of the paper, we tend to derive the equation for the ionospheric delay due to the electron density, therefore we would stay with the statement and not add to much details about the bending to the manuscript.

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Page 2, line 17:

The higher order ionospheric effects are also caused by the magnetic field, as you mentioned it. We will add this to the manuscript in the list of possible causes for higher order effects. Thank you.

Best regards
Andreas Goss

Interactive comment on Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2019-32>, 2019.

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