

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

### **Anonymous Referee #2**

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This work presents a very detailed analysis for obtaining VTEC maps of high resolution. Although the reading is a little bit obscured by so much mathematics, I think this work is of much interest for the community using and needing this type of interpolation and procedures. So, in my opinion it is acceptable for publication in this Journal in its present form. I have only two very minor comments, which the author can take into account, or not. Page 2, line 13: Even though “bending” can be neglected in some application I think it is the principle of operation of many devices, as radars for example for which the ability of the ionosphere to bend and finally reflect HF signals is extremely important. Page 2, line 17: Higher order effects are also affected by the Earth’s magnetic field.

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