

## ***Interactive comment on “CHAMP climate data based on inversion of monthly average bending angles” by J. Danzer et al.***

### **Anonymous Referee #1**

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The authors apply the method of forward bending angle climatologies for use in the Abel transform with the CHAMP dataset from 2001 to 2008. The method was already introduced and verified by a previous study using COSMIC data. The results demonstrate that this method is also suitable for radio occultation missions providing only ~200 profiles daily. The paper is well structured and written with clear results and conclusions. My recommendation is to publish the paper. Some technical details: p. 7817, line 23: an -> a; page. 7819, lines 8-9: please rewrite this sentence; Fig. 2: please replace blue and green by some other colors.

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Interactive comment on Atmos. Meas. Tech. Discuss., 7, 7811, 2014.