

Author's Response to Referee #1

We would like to thank referee #1 for the positive review of our manuscript. We have answered all comments below (for easier comparison the referee comments are included in *italic*).

Technical Details:

#1: *p. 7817, line 23: an -> a*

#1: Thank you for noticing.

#2: *7819, lines 8-9: please rewrite this sentence*

#2: We will write: "The l.h.s. of Fig. 2 shows, for a zonal bin at mean latitude 5° , all single profiles contributing to the respective mean bending angle profile."

#3: *Fig. 2: please replace blue and green by some other colors*

#3: We will use red for the mean value, green for the standard deviation, and a thicker line-style. Furthermore we will use thinner lines in a grey color for the single profiles. We hope this helps to improve the readability of the plot.