

Interactive comment on “First multi-year occultation observations of CO₂ in the MLT by ACE satellite: observations and analysis using the extended CMAM” by S. R. Beagley et al.

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Question: The CO results shown in Fig. 8a for 30N look strange: values are over 100 ppm at 0.001 hPa. This does not agree with the altitude-latitude plots in Fig. 7 (top, left). Could it be a plotting error? According to Fig. 7 it seems CO vmr at 0.001 mb are all around 30 ppm, regardless of latitude.

Reply: We thank the reviewer for pointing out this error. There was a plotting error and this has been corrected for Figure 8a. The Figure has been replaced in the new version with the log x-axis scaling corrected. The revised manuscript now includes this correction as well as a re-organization of the figures in response to other reviewer

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queries. The new figure 7a replaces figure the old 8a.

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