

Interactive comment on “First carbon dioxide atmospheric vertical profiles retrieved from space observation using ACE-FTS solar occultation instrument” by P. Y. Foucher et al.

V. Fomichev

victor@nimbus.yorku.ca

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The title of this paper suggests that ACE-FTS CO₂ observations are presented at the first time. This is however not right. Another paper titled "First multi-year occultation observations of CO₂ in the MLT by ACE satellite: observations and analysis using the extended CMAM" by Beagley et al. was published in ACP early 2010. That paper also presents CO₂ vertical profiles retrieved from ACE-FTS solar occultation instrument and two coauthors of that paper (C. Boone and P. Bernath) are also coauthors of the current paper. Both papers have a word "first" in their titles, but deal with CO₂ observations in different atmospheric regions. So, to avoid any potential confusion, I suggest to modify

the title of the current paper to emphasize the stratosphere/troposphere high accuracy nature of the observations (contrary to observations in MLT presented by Beagley et al.).

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