

Interactive comment on “The impact of the ozone effective temperature on satellite validation using the Dobson spectrophotometer network” by M. E. Koukoulis et al.

V. Savastiouk

vl@dimir.ca

Received and published: 23 January 2016

A referee has already mentioned the fact that no clear statement exists in the text about which ozone cross-section set(s) are used in the calculations. I'd like to add to this that every time I see a good agreement between satellite and Dobson/Brewer or an improved agreement after some correction I always wonder how Bass&Paur for Dobson/Brewer, which we know is internally inconsistent (especially in regard to T dependence), can produce a good agreement with some other cross-section set that the satellite community use. In fact, different satellite platforms potentially use different cross-sections. Also, the formula that is used for correcting the Dobson data is attributed to van der A. et.al (2010), but in that paper the authors simply refer to Kerr

C1

(2002) for this correction and Kerr's paper only mentions this correction in a discussion section as a possibility with several "if" statements.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2015-343, 2016.

C2