We thank the editor for the agreement in our updated version of the paper.

I think that the manuscript has been substantially improved and can be published in AMT.

I have only 3 minor comments

Line 118-119 a reference could be used for qasume.
J. Gröbner, J. Schreder, S. Kazadzis, A. F. Bais, M. Blumthaler, P. Gorts, R. Tax, T. Koskela, G. Seckmeyer, A. R. Webb, “A travelling reference spectroradiometer for routine quality assurance of spectral solar ultraviolet irradiance measurements”, Applied Optics, 44 (25) 2005

The reference has been added

Figure 2
SSA error bars are the standard deviation that it is lower compared to the reported 0.05 error on SSA retrieval. Maybe this can be mentioned in the figure caption.

The comment has been added.

UVI “effective” wavelengths are around 305-310nm depending on solar elevation, on the contrary aerosol properties are used at 340nm. Since AOD305 is theoretically higher than AOD340 for the same instant and the relationship between AAOD 305 and AAOD 340 depends on SSA spectral behavior in the UVB, maybe it should be mentioned that part of the analysis results (in figure 5 for example) and results of table I could be partly affected by the spectral behavior of both AOD and SSA in the 305-340 nm range.

Also this comment has been added