

Review of

“A Comparative Evaluation of Aura-OMI and SKYNET Near-UV Single-scattering Albedo Products”

The paper is very interesting because it is the first time a comparison study is performed using a large number of SKYNET sites and products from this network. In addition, the results are very important for the developers of Skyrad pack improvements, particularly for what concern the assumption of fixed value of Surface Albedo.

Below some specific comments to the paper:

Lines: 65-66 specify if the change of estimated radiative forcing refers to the top, bottom or middle atmosphere.

Line 170: both the POMs models take also measurements at 315 and 940 nm for Ozone and water vapour retrieval. Add this information here and in line 178.

Line 186: remove and between University and Valencia

Line 255: add “carbonaceous/smoke”

Lines 255-257: it not clear to me according to which parameter has been considered the 5 listed sites better than the others. Moreover looking at Figure 2 the largest percentage of agreement is for $Q_{0.05}$ and not 0.03.

Line 348, it is better specify that the assumption of fixed ground albedo in Skyrad pack can be changed in time and wavelengths, if necessary. . For example in ESR/SKYNET, Antarctica sites are processed with different values.

I still suggest using greater characters for Figure 2, 3, 4. It has been difficult reading the statistics values.