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Interactive comment on “An improved retrieval of tropospheric NO₂ from space over polluted regions using an earthshine reference” by J. S. Anand et al.

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The word ‘earthshine’ is used incorrectly in the title and the rest of the paper. Earthshine is the reflection by the moon of sunlight reflected by the earth, also called the ashen glow (<http://en.wikipedia.org/wiki/Planetshine#Earthshine>). Webster’s dictionary says: earthshine is sunlight reflected by the earth that illuminates the dark part of the moon. However, reading the paper, the authors mean the sunlight reflected by the earth towards the satellite, without any lunar reflection.

Therefore I suggest to use the term ‘earth radiance’ or ‘earth reflectance’ or ‘top-of-

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atmosphere radiance' instead.

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