

Interactive comment on “The MSG-SEVIRI based cloud property data record CLAAS-2” by Nikos Benas et al.

Anonymous Referee #2

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* Overall comment This paper is a technical report that discusses the MSG SEVIRI based cloud property data record, CLASS-2. There are two objectives in this paper; one is introducing CLASS-2 product to users and the other is discussing about quality of the CLASS-2 data. The paper is well organized and written. I recommend to editor to publish this paper with some minor revisions.

* Questions and minor correction P3, line 9: What’s relationship between “Meteosat-8, -9, -10, and -11” and “MSG-1, -2, -3”?

P3, line 21: What does “three” in the sentence of “This included all three SEVIRI instruments”? Are there four SEVIRI instruments on four Meteosat-8, -9, -10 and -11?

P4, line 16: What does “cloud type information” mean? Please clarify it and please show cloud type by table or list.

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P5, line 3: What is the shape of ice particles assumed in the LUT.

P5, line 7: How to set a threshold of the VZA as 84 degrees?

P5, line 15-16: In the sentence “at least 20 daily mean values were required for the estimation of monthly average”, why it is 20 values but not 30 values? What is the mechanism for lacking about 10 days daily mean in a month.

P6, line 14: What is “five different options”?

P9, line 11-14: Difficult to understand these sentences. Please explain Fig. 1a more in detail.

P11, line 11 and Fig.7 : The CLASS-2 REF agrees better with the MODIS 2.1um product. Is this a technical error so on?

P12, line 10: “This characteristic should be attributed to the presence of absorbing aerosols...” can be evaluated by radiative transfer simulation. Will you simulate this characteristics by using simple simulation?

P31, fig 7. Explanatory note in the top-left in figure 7 will be a note in middle-left and middle-right figure ?

That's all of my comments and questions.

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