

## ***Interactive comment on “Cloud and DNI nowcasting with MSG/SEVIRI for the optimised operation of concentrating solar power plants” by Tobias Sirch et al.***

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We thank the reviewer for his positive evaluation of our manuscript. However, Point 2 and 3 have already been clarified after the quick Review:

\* In Section 2.1, the authors stated that COCS can detect 50% of the cirrus clouds with OT  $\sim 0.1$ . How this 50% number is obtained? During daytime, even CALIPSO lidar cannot claim this due to sunlight noise, let alone to say the narrow field of view of lidar, which covers negligible area of the earth.

This is true. COCS detects 50% of the cirrus clouds with OT  $\sim 0.1$  “observed by CALIPSO”. This has been clarified in the text.

C1

\* Section 2.3 is not clearly presented. Find a better way to present for this section.

Section 2.3 has been rephrased. The explanation of the pyramidal matcher is done now step by step in a clearer way. Please refer to the manuscript for details.

Regarding Point 1 and 4, several paragraphs have been slightly shortened and modified.

Nevertheless, we refrain from making strong changes to the manuscript until we have concrete suggestions from the reviewers about which sections or paragraphs should be modified or clarified or shortened without loss of information for the reader. We would be grateful if reviewer #2 could consider the changes that have already been made for the current review process and if he could indicate which sections necessitate, to his opinion, additional clarifications and which ones should be merged/shortened.

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