

## ***Interactive comment on “CAELIS: Software for assimilation, management and processing data of an atmospheric measurement network” by David Fuertes et al.***

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We thank the reviewer for the constructive comments. Concerning the general comment (1), we agree that there is possible confusion between the AERONET data levels and the CAELIS database “levels”. We have therefore renamed the latter as “layers”. We think it is also very descriptive of the structure of the database and can be a better term. Regarding general comment (2), we have added some sentences in the “summary and conclusions” in order to emphasize the benefits that CAELIS brings to the facility. Thanks for pointing this up.

Specific Comments ([answers in blue](#)):

C1

- Page 1, L2: focus on; remove “that.”

+ [Done.](#)

- Page 1, L5: offers the scientific community a new tool

+ [Done.](#)

- Page 1, L10: “global climate balance” means “global climate change” or “global energy balance”?

+ [We mean “energy balance”. Corrected.](#)

-Page 2, L4: “340 nm”

+ [Done.](#)

-Page 2, L6: “cloud-filtered” changes to “cloud screening”

+ [Done.](#)

-Page 2, L29: “The motivation of the CAELIS . . .” is better?

+ [Done.](#)

- Page 2, L31: “. And on the other hand” changes to “; on the other hand”

+ [Done.](#)

- Page 3, L22: “CAELIS is composed of a database . . .”

+ [Done.](#)

- Page 3, L30-Page 4, L12: I don’t think the concept of DBMS needs many words.

+ [We think this description may be necessary for those readers who come from the aerosol field. It’s true that this can be obvious for readers with IT background but we prefer keeping it.](#)

C2

-Page 4, L30: The sentence “The benefit of MySQL. . .” is too complicated. Rewrite concisely and clearly.

+ We have rewritten the sentence.

-Page 5, L26: What are “hybrid” and “cross”?

+ These are new geometries for sky scan in Cimel instruments but the description is out of the scope here, so we just omitted them.

- Page 6, L10: responsible for organizing . . . and deciding

+ Done.

- Page 7, L32: CAELIS system offers users a web interface (www.caelis.uva.es) for Interaction

+ Rewritten as suggested.

- Page 8, L20: I suggest the items such as PHP, Symfony, Javascript and JQuery and PDO can be described in shorter length.

+ Similarly as the previous comment about DBMS, we prefer to keep this description for readers without much IT background.

- Page 9, L27: I suggest the item “sunphotometer” or “photometer” should be internally consistent in full text.

+ Thanks. We have homogenized it to “photometer”, especially because latest Cimel photometers have also Moon capabilities.

- Page 10, L20: What does “This view is highly configurable thanks to filters” mean?

+ We have rewritten the sentence. We mean that the results shown in the web page can be customized by the user.

- Page 11, L14: AOD vs. AE

C3

+ Done.

- Page 12, L17: I suggest removing the sentence “This is a NASA . . .”

+ Done.

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<https://doi.org/10.5194/gi-2017-41>, 2017.

C4