



Comment on **essd-2021-193**

Anonymous Referee #3

Referee comment on "EUREC⁴A's HALO" by Heike Konow et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2021-193-RC3>, 2021

Review of "EUREC4A's HALO"

The paper outlines the data collected by instruments onboard the HALO aircraft during the EUREC4A campaign that focused on clouds in the trade wind region.

The paper is excellently written and user-friendly. It is an important contribution serving as an envelope to the technical online book "How to EUREC4A", providing examples and statistics on the HALO contribution and the rationale behind some of the choices.

I would like the authors to address the following concerns before accepting the manuscript for publication, most critical are comments 4 and 5.

- KT19 is shown in Fig. 6, its abbreviation should be given earlier, already in Table 4.
- Fig. 1: Barbados is somewhat hidden, better to mark it clearer on the map.
- Fig. 3 caption: It is unclear what the authors refer to as "ferry flights".
- Fig. 9 is unreadable with this size. Please provide details as to the meaning of the colors and make the font (much) larger. Can also provide a more readable online version if the details are not critical here, but if the figure should appear in the print version, it is needed to provide more details on the general aspects shown.
- Table 6: Are the dropsonde data accessed under "flight segments" please indicate explicitly where.

Typos:

- Line 22: change "aircraft" to "aircrafts"
- Line 211: delete "in"

