

Interactive comment on “The Hamburg Ocean Atmosphere Parameters and Fluxes from Satellite Data – HOAPS-3” by A. Andersson et al.

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The authors thank the reviewer for the very positive response and helpful comments. A point-by-point to response to the comments is given below.

Anonymous Referee 1 Received and published: 10 August 2010

This is a very well written paper that describes the latest version of the HOAPS data set (version 3) of open ocean atmosphere and fluxes. The paper will be of great interest to the ESSD readership, as such, I recommend publication with just a few minor revisions, as noted below. Congratulations to the authors for doing such a fine job!

1. Line 75 - insert “was” between “..2002”) and “mainly”

C125

Done

2. Line 76 - insert “in” before “1998”

Done

3. Line 98 - is it important to mention which version of NetCDF that is being used?

No, since newer versions of NetCDF are downward compatible. More detailed information on the file format are given on the HOAPS website.

4. Line 126 - Sentence should start with “The”

Done

5. Lines 139-40 - Maybe replace one of the “performed” with another word.

The second sentence has been reformulated to “The Earth’s surface is sampled with a conical scan...”.

6. Line 148 - Just a point to mention, the orbits of F14 and F15 really do decay quite a bit after your time period after 2005, but agree, they are probably still within 2-3 hours of original time.

A comment on the decaying orbits has been added to the text.

7. Section 3.3 – There is quite a bit of activity on SSMI intercalibration - GSICS and SCOPE-R; is it worth mentioning/referencing some of this?

The activities of these programs are now mentioned in the conclusions.

8. Section 3.4 - For F8, the 85 H was actually usable from January 1988 - June 1990; see Ferraro (1997).

The first paragraph of Section 3.4 has been reformulated accordingly.

9. Line 545 – “processing” is used twice in this sentence

Sentence has been reformulated: “A sophisticated processing chain has been implemented that includes the handling of SSM/I raw data, the ...”.