

**Review of “Sentinel-3 radar altimetry for river monitoring – a catchment-scale evaluation of satellite water surface elevation from Sentinel-3A and Sentinel-3B” by Kittel et al.**

The authors did a great job in revising the paper. All my previous comments have been taken into account and the manuscript improved significantly.

I only found a few minor points that should be corrected before the paper can be published.

- I suggest to add a note on the possibility of wrong a-priori heights by the OLTC in case of inaccurate DEMs in the introduction (around line 67)
- Description of blue points in Figure 1 is missing. Moreover, the Fig. is quite small – an enlargement might improve the readability
- Is there an latitude limit in OLTC? If yes, please indicate in 2.2.4
- Legend of Fig. 2 must be corrected: SciHub is on the left and GPOD on the right hand side
- Sect. 2.3.4: Are you sure that the same models for geophysical corrections are used in GPOD and SciHub? If not: please indicate in line 216. This might be an explanation for the biases mentioned in line 222. However, in that case, these offsets will not be completely time-independent...
- Sect. 2.3.5: Please explain possible implications of not using identical DEMs for both processing chains.
- Line 243: Where can I find the classification step in Fig. 2?
- Line 278: how is the rejection done? Explain or give reference to explanation (Sect. 2.3.5 or 2.3.6?)
- Line 306: Where can I find the numbers (101 and 103) in Tab. 3?
- Table 4: Is Hydroweb also using GPOD data? Or what is the reason for placing Hydroweb below GPOD? Shouldn't that be a separate column?
- Legend of Fig.8: Please describe what is shown in column 1,2,3; What is the observation period in the middle column? 2016-2020?
- Section titles 4.1 and 4.2: please consider to change one of them; currently “processing options” are used twice.