

Topic editor initial decision: Start review and discussion by Robert Jackisch

Justification (visible to authors and reviewers only):

Dear authors of the submitted manuscript "High-resolution Digital Outcrop Dataset of a Fossil Hyperextended Rifted Margin, Swiss Alps" thank you for this comprehensive data compilation from a logistically challenging region.

Many thanks for the constructive comments and the time spent. The comments have been addressed in the revised manuscript and helped to improve the overall quality.

I would start the public review and discussion, but please find below some minor issues that should be addressed before the potential final publication.

- lines 121-126 are remains from the ESSD template, please remove

Thank you, we deleted these lines.

- if understood correctly, no GNSS equipment was used to spatially correct the data, only for the first model

GNSS data were continuously recorded during the UAV surveys through the GNSS equipment integrated into the drone. A PPK-enabled drone was used for some of the photography of models 11 and 12, facilitating the use of the enhanced GNSS data in their respective reconstruction.. Following similar comments by Reviewer 1, we have clarified this further in the manuscript.

- out of curiosity, some Agisoft reports state that "no GPU" was used in some processing steps, is there a reason (e.g. processing on a notebook)?

We have checked the processing settings and confirmed that GPU acceleration was not enabled in Metashape for some of the earlier models. This was inadvertently overlooked during the initial processing. GPU acceleration was enabled for the subsequent workflows. According to the Metashape documentation, GPU acceleration is primarily intended to speed up specific computationally intensive processing steps, while the reconstruction workflow itself remains based on the same algorithms and processing parameters. We thus do not expect the absence of GPU acceleration to have had a significant effect on the resulting model quality, and therefore decided not to reprocess the data.

Best regards