

1. General Comments

I have carefully re-reviewed the manuscript (MS).

For my feeling, the authors have significantly improved the MS. The red line has become very clear and is worked out well now in the revised version. Furthermore, the authors have expanded the results and included various discussion points also to give a more general conclusion. The reader is guided clearly through the study now.

Actually all my points were discussed in great detail and all suggestions were considered and followed where it was appropriate. I appreciate the very precise and clear answers of the authors in this revision round. Therefore, I do not have any more general comments.

2. Specific comments

All technical comments were considered and answered in detail. Where appropriate the text was expanded and discussion points included. However, I do have a few more specific comments/suggestions that can be considered:

- I do suggest to include a small overview Figure 1a with the borders of Mexico. It is more convenient to start location description at a larger scale.
- I found it quite interesting that the lakes have differing water conductivity. The chemical analysis of the sediments and the water are discussed in the MS later on. Maybe you can add some sentence if they do shed some light on the evolution of the lakes.

3. Technical corrections

Some few technical corrections remain:

- L260 - TU - Vienna
- L300 - local heights -> maybe better "...local rising of the ..."
- L315 - possibly include one sentence, e.g. "... which shows the benefit of evaluating the TD-IP phase".
- Figure 4 - it would be actually nice if the width of the subfigures are adjusted to that the profile meters are aligned to compare the structures better in a 1-1 way.
- Figure 8 b-d - include some reference in the text and short description. Please check also for other subfigures if they are referenced in the text.
- p14 - p16 - please check language. For me the language here can be improved, e.g. "under-pinned", "were unplugged".

With best wishes, Pritam Yogeshwar