

HESS

30, October 2024

Dear Editor:

Please convey our gratitude to the reviewers for their detailed reports, which will considerably improve the manuscript.

### **Regarding comments from Reviewer #1 Martin Reiser**

#### **Specific comments**

The labelling in Fig. 10 should probably read “Lake terraces 10 m above the lakebed” and, similarly “Lake deposits 15 above the lakebed”.

*Answer: We appreciate the reviewer’s comment and agree with that. We changed “upper” into “above” in Fig. 10.*

In the newly introduced summary figure (Fig. 12), the La Nava playa-lake shows some sinistral displacement, but the corresponding La Nava fault is labelled with a dextral sense of shear. A sinistral sense of shear of the La Nava fault is indicated in the text and in the other figures. Also, there are small green checkmarks along the shoreline which I do not understand, and the red “E” labels probably refer to evaporite formation.

*Answer: We thanks the reviewer for this comment. Indeed, La Nava fault is a sinistral sense shear zone, then we changed it in the Fig. 12. Green checkmarks at the shoreline try to simulate the vegetation, but we removed it in order to simplify the figure. “E” means evaporation, but it is not needed in the figure, consequently we also removed it from the Fig. 12.*

Please let us know if any more corrections or changes are necessary.

Yours sincerely,

Dr. Alejandro Jiménez Bonilla on behalf of the co-authors