

Review of revised version of M. Stammler et al. 2025:

EGUSPHERE-2025-4630: Glacial decline next to stable permafrost in the Dry Andes? Vertical glacier surface changes and rock glacier kinematics based on Pléiades imagery (Rodeo basin, 2019–2025)

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Dear authors

The revised manuscript is more coherent, better focused on its main message, and more readable at multiple levels. First, the terminology is now used consistently (e.g., “vertical surface change” and “horizontal velocity”). Second, the key Figure 7 has been thoughtfully revised: expressing aggregated velocity in terms of the median exceedance of the level of detection (LoD) visually supports the main message. The inclusion of three representative examples, alongside data for the remaining rock glaciers in the Supplement, enhances both clarity and transparency. The added legends improved the overall readability of the figures. Third, the discussion of kinematics and its implications is now better structured. The introduction of additional subsections (5.3–5.5), following a clear a “three-act structure” (glaciers, debris-covered glaciers, rock glaciers), resulted in a more concise narrative aligned with the paper’s main message. Finally, the code `PylmageTrack` on the github repository is carefully documented and looks very user friendly.

All my previous major and minor comments have been satisfactorily addressed. I therefore recommend this revised version for publication. Thank you for the strong and careful revision.

Kind regards

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