To editor Kristin Poinar:

We sincerely thank Prof. Kristin Poinar once again for her thoughtful and constructive feedback, which significantly improved the overall quality of the manuscript. We also appreciate her availability and excellent management of the review process, which greatly facilitated our efforts in revising the manuscript. Please find below the modifications made regarding the final revision.

Line 90: "precise drone positioning" In keeping with a request from Reviewer 1, please add quantitative information here. In the response document, you mentioned RTK maintained the drone altitude at ± 2 cm accuracy; please add this here.

Thanks for the comment, it now reads:

"The use of Real Time Kinematic (RTK) technology enables navigational positioning accuracy of approximately 1 cm horizontally and 2 cm vertically, and allows for the accurate repetition of flight paths, making high-density 4D GPR acquisitions over inaccessible terrains and further 4D glaciological investigations feasible."

Line 485: Similar comment, why not replace "over an approximately one-year period" with a more precise measure of time, e.g. 14-16 months or whatever your true findings are.

Thanks for the comment, it now reads:

"In this paper, we present a high-density, high-resolution 4D GPR dataset acquired over the same surface collapse feature investigated by Hösli et al. (2025) on the Rhône glacier, which initially developed near the glacier terminus in late 2021, evolving over 20 months and collapsed in June 2023."

Line 687: When describing the survey design, I would find it helpful if you mentioned the wavelength of the radar center-frequency in ice, since it relates to the survey line spacing design. By my calculation it was 2.1 m, but a reader should not have to calculate it on their own.

Thanks for the comment, it now reads:

"The survey trajectories were planned with the Universal ground Control Software (UgCS), with a survey line spacing of 1 m (the wavelength of the antenna center-frequency in ice is ~2.1 m..), a target height above the glacier surface of 5 m, and a flight speed of 4 m s-1 (Ruols et al., 2023)."

Lines 917, 928, 930: Change "what is done" and "is also modeled" and "is followed by" and "is computed for" to active voice. Most of this section is correctly in active voice, but these phrases are in passive voice and do not match.

Thank you, the entire paragraph was addressed.

Figure 7 caption: Explain the black lines (contours) and state their contour interval.

Thank you, the caption now reads:

"[…] (c) 3D view of the final bedrock surface model, with black lines indicating elevation isolines at 2-m intervals."

Line 1008: "the lower right corner of each subfigure" I suggest to change this to "the southernmost corner of the surveyed area" in order to refer to the actual place and direction, rather than a mapped representation of it.

Thank you, the modification was done.

Line 1350: "For what the relative magnitude of the two subglacial channels is concerned" - some grammatical / word parsing issues here.

Line 1351-2: Cite the Swisstopo and Grab et al. in turn, i.e. "glacier-wide DEMs for the glacier surface (Swisstopo, 2024) and subglacial topography (Grab et al., 2021) as well as expert..."

Thank you for the two comments, it now reads:

> *"Considering (i) the relative magnitude of the two subglacial channels, (ii) the qualitative interpretation of glacier-wide DEMs for the glacier surface (Swisstopo, 2024) and subglacial topography (Grab et al., 2021), and (iii) expert judgment based on in-situ perceptions (e.g., the 'loudness' of water-related sounds emerging from within the glacier), it seems that the channel originating from the northeast likely drains the majority of the glacier's subglacial water system, whereas the second channel, originating from the southeast, appears to drain a constrained hydrological basin on the orographic left-hand side of the glacier."*

Figure 13 caption: Name the date that these stills were acquired.

Thank you, the modification was done.

Line 1457: "On a broader perspective," - remove this phrase, as conclusions are always taken from a broad perspective.

Thank you, the modification was done.