

Minor technical corrections: Transitional rock glaciers at sea-level in Northern Norway

Frances Butcher, Associate Editor.

Technical corrections/suggestions

Line 158: Please refer to the comment on Table 1 by Reviewer 1 - I do not think this has been corrected. The values in line 158 are inconsistent with those in Table 1 - this appears to be a unit error (column title in Table 1 states cm, but values appear to be in m). Please check the text and Table 1 and correct for this and all techniques that appear in Table 1

Line 152: If 'Unmanned Air Vehicle' is not inherent in the name of the UAV product, I encourage the authors to consider using a gender-neutral equivalent term 'Uncrewed Aerial Vehicle'. Note also Air vs Aerial – I believe aerial is the commonly used word.

Line 255: Is it possible to include absolute displacements in the table to demonstrate the difference between the measurements and the accuracy threshold?

Line 446: It is not clear what 'current framework conditions' means. Do you mean 'in the current framework, conditions are not comparable'?

Table 1: See comment on Line 158: should the unit label for column 2 be m (not cm as it is currently).

Table 2: Please add 'rates' to the Vertical/Horizontal displacement column titles.

Figures:

- Please refer to the ESurf guidelines on figures and tables: <https://www.earth-surface-dynamics.net/submission.html#figurestable>. In particular, '*Labels of panels must be included with brackets around letters being lower case (e.g. (a), (b), etc.)*.'

Figure 1:

- Please check the 'C+D' label in panel C: should these be D+E?

Figure 2:

- In the first map, the map credit is overlain by image 2. Please refer to the ESurf guidelines on the reproduction and reuse of maps and aerials, and ensure that all figures are compliant. <https://www.earth-surface-dynamics.net/submission.html#figurestable>
- The blue square would benefit from a 'Fig 3' label within the image.

Figure 4:

- The text in these panels is small - I suggest enlarging it, and particularly the legend text. If necessary, the legend could be included below the respective images to allow the text to be larger.
- Basemap images require credit line.

Figure 6:

- Please run the figures through the Coblis colour blindness checker to ensure that figures are accessible, in line with ESurf guidelines: <https://www.earth-surface-dynamics.net/submission.html#figurestable> <https://www.color-blindness.com/coblis-color-blindness-simulator/>
- The X referred to in the caption is missing from the image.

Figure 7:

- Could the unit of temperature anomaly be moved to the same line as the text?

Typographical/grammatical corrections:

Line 22-23: are no longer permafrost and ground ice > is no longer permafrost or ground ice

Line 32: at least two > for at least two

Line 57: we have had > we had

Line 68: investigate is missing first 'i'.

Line 99: in outer > in the outer

Line 134: Is 'Norway' needed here?

Line 141: Is capitalisation required for 'Stacking'?

Line 161: Delete second occurrence of '(correlation image analysis software)'

Line 180: Put 'ice, water, air and rock' in parentheses.

Line 238: Delete nested parentheses in Malmstrom and Palmer citation.

Line 265: Raise > raising.

Line 366: TLS' > TLSs (apostrophe not appropriate here).

Line 326: in Southern > in the southern.

Line 327-326: Missing close bracket.

Line 335: Interpreted compacted > interpreted as compacted

Line 340: This would be better as: 'The GST monitoring clearly showed annual average temperatures above...'

Line 342: variation > variations

Line 359: than > to

Line 359: facts > fact

Line 360: other processes than > processes other than

Line 365: one information among > one piece of information among

Line 370: they almost exclusively are found > they are almost exclusively found.

Line 394: such e.g. suggested > such as is suggested, for example, for...

Line 425: to footslope landforms > for footslope landforms

Line 426-427: *'Liestøl (1961) acknowledges that the "talus terraces" at numerous locations resemble rock glaciers, and would indeed fall into the present-day rock glacier definition.'* Needs 'they' before 'would'. Otherwise it reads as if Liestøl himself acknowledges the features do indeed fall into the present-day definition.

Line 794: are the relict shorelines > the relict shorelines are