

Interactive comment on “Temperature variability and thermal offset in steep alpine rock and ice faces” by A. Hasler et al.

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Answers to short comment 1 (R.P. Daanen)

Specific comments

We changed this term to “temperature offset” (see also Answers to referee 1, point 7)

Technical correction

(text of short comment in “”)

1) "P726 L16 numbers for sensor locations are not complete or specific, a better description of sites included and excluded is needed. P727L2 would be a good place to do this for all locations indicated in figures that are not discussed further." Intro-

C690

duced.

2) "P726 L18 borehole without the ‘s’" Corrected

3) "P730 L19-27 the discussion on Utime is not clear, please revise this section." Rephrased

4) "P731 L6 equation 1 is not correct" Corrected

5) "P732 L19 ‘on’ needs to be ‘one’" Corrected

6) "P734 L10 TO is an annual value and there does not seem to be data to support the statement for 2010." Rephrased

Clarification: The TO values may be calculated for a running window of one year for every day (same as for the MAT). This is now better explained in Section 3.2 and 3.3. Hence we can detect a change in this running TO values if summer 2010 is included in the averaging window instead of summer 2009 (Fig. 10).

7) "P736 L7 ‘expect’ change to ‘except’" Corrected

8) "P738L13 ‘effects’ needs to be ‘effect’" Corrected

9) "P738L14 ‘an’ needs to be removed" Corrected

10) "P738L23 ‘the’ can be removed" Corrected

11) "P742 in table missing site numbers could be explained" Introduced on P727 (see comment above)

12) "P743 Utime needs to be explained better" Explained in text (see comment above)

13) "P744 Numbers in the figure are not referred to in the text or vice versa" Adapted to labeling of the text (e.g. 3 at Jungfrauoch is now jj03). Made consistent with the labels of figure 3.