

Responses to the reviewers' comments:

Seismic imaging of dyke swarms within the Sorgenfrei Tornquist Zone (Sweden) and implications for thermal energy storage

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10 **Editor comment:**

Comments to the Author:

Dear Authors,

Based on the TE's report and overall assessment of the review process, I am pleased to accept your manuscript for publication on Solid Earth, pending the minor amendments as requested by the TE. Many thanks for choosing Solid Earth.

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Sincerely,

Federico Rossetti

20 (Authors) We thank the editors and referees for finding our revised manuscript acceptable for publication. The very minor comments have also been addressed in the final submission.

Referee #1:

The authors have properly addressed my concerns and comments in this revised version of the manuscript. I have only the few minor comments (see below). I do not need nor wish to review the paper again for those changes.

25 Page 9 line 16: "Migration was not employed for the data along profile 4 because of the gentle dip and this should be noted when the data are interpreted. Unmigrated seismic sections are shown for data quality control purposes and the reflections observed there do not represent actual locations of the geological features nor are dips true". This should be updated since Fig. 12 now includes a migrated version of line 4 (thanks for including this – migrated results are useful and better than described initially).

30 (Authors) We thank the reviewer for spotting this. We have rewritten this sentence now.

Figure 9: Please add the meaning of the dashed line in the caption.

(Authors) Described now in the caption.

35 Page line 15: I suggest replacing "This was motivated to check..." with "The motivation for this was to check..."

(Authors) Followed.