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Geoscientific Instrumentation Methods and Data Systems
Discussions

Interactive comment on "Autonomous distributed temperature sensing for long-term heated applications in remote areas" *by* A.-M. Kurth et al.

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The paper gives a clear introduction and overview of how to set up an electrically heated fiber optic cable and DTS in remote areas. The paper is somewhat descriptive in tone, which is not really a problem. The paper is well written. As such the paper has a high practical scientific value for the rapidly expanding field of environmental DTS applications. The main thing that I miss is a results section. This would not need to be a full report on the collected data but I would appreciate to have at least a statement like: "We ran the design for so many weeks, with so many active temperature traces, using these DTS machines and this cable,. . ." etc.

Perhaps all the necessary information is available on the Swiss-Experiment website

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but it would also be nice to provide the reader with some of the scripts used. Even when researchers choose a different set-up, these may have important heuristic value.

Two very minor points: P. 859 l. 2: Please check one more time before submitting if there are (stil) no papers on active DTS in hyporheic exchange research. There are some in preparation that may be published soon.

P.864 l. 5: Because this paper is about remote deployment, the statement about the logistical problems of an ice bath could be stated more strongly: One simply can not maintain such a bath under the circumstances described in the paper.

P. 865 l. 16: Nb. = ?

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 2, 855, 2012.