

## ***Interactive comment on “Signal Processing for In-Situ Detection of Effective Heat Pulse Probe Spacing Radius as the Basis of a Self-Calibrating Heat Pulse Probe” by Nicholas J. Kinar et al.***

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Thank you for the suggestions given in the annotated PDF file. To respond to the revisions given in the interactive comment:

- 1) Please see lines 360-365 for a comment on calibration in drier soils.
- 2) As suggested in the annotated PDF file, punctuation has been cleaned up in the text and Appendix A.
- 3) The axes text in the identified figures and for figures throughout the paper has been increased in size to provide emphasis.

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4) Figures in PDF (vector) format are provided for the final version to improve resolution and font quality at all scales. Raster (PNG) images are placed into the Word document for ease of review.

Responses to the 31 comments are given in the annotated PDF as a supplement.

Punctuation and presentation have also been modified throughout the document as suggested. Thank you for your suggestions.

Please also note the supplement to this comment:

<https://gi.copernicus.org/preprints/gi-2019-43/gi-2019-43-AC3-supplement.pdf>

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Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss.,  
<https://doi.org/10.5194/gi-2019-43, 2020>.

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