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Interactive comment on "Development and analysis of a continuous record of global near-surface soil freeze/thaw patterns from AMSR-E and AMSR2 data" *by* Tongxi Hu et al.

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Dear Sir

Interesting paper, including the practical inter calibration between AMSR-E and AMSR2.

The authors should better refers to previous works, including those made with SMOS : Rautiainen et al., 2016 , RSE and Roy et al., 2015, IEEE JSTARS.

I would have been interested to see a comparison between algorithm used by the authors and used by SMOS and SMAP.

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Discussion paper

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I am not really convince by the global application, nor by the global evaluation not really relevant. However, the focus on the Tibetan Plateau is interesting. It would have been more relevant to focus on northern high latitudes and specific mountain regions for the validation!

Alain Royer

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