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Comment

## ***Interactive comment on “The Austrian radiation monitoring network ARAD – best practice and added value” by M. Olefs et al.***

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This paper describes the Austrian network for measuring high-quality solar and terrestrial radiation. There are five sites that make these measurements, four operating since 2011. The network uses near state-of-the-art instrumentation for all of its measurements and provides routine care to ensure the highest accuracy in their data. In addition to describing the network, the paper describes a useful uncertainty analysis of their measurements that could be copied by others. They also describe their quality control procedures that could be copied by others interested in operating at the BSRN level.

One shortcoming in network operations is the low resolution of their voltage measure-

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ments, at four sites, which would further improve their, currently nominal, offset correction. They, it should be said, point this out and suggest it as a further improvement step.

On page 10665 middle: 'expanded' means what? 95%, 99%, something else? It is explained later, but could be stated here at its first use in the paper.

Look for 'precision' in text and consider whether 'accuracy' is a better term.

There are a few non-standard English constructions, but the intent is understandable.

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Interactive comment on Atmos. Meas. Tech. Discuss., 8, 10663, 2015.

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