

The new version shows improvements. But I still miss a clearer statement on deficiencies in the retrievals due to the temporal variation of areas with liquid water, and how this problem may be solved. Some information may even exist in the present data. By far the best results were obtained during the short period of available data in 2016 (Figure C1) for Inigok. Also in other years, the spring data seem to perform better than during the winter season.

Figures 5 to 7 include data that are not defined: the tiny points (very small rings). The captions in these figures refer to other figures (in Figure 7 erroneously to Figure 7 again). I think that such information belongs in the main text. The figure caption should define the symbols, curves etc. of the associated figure, only, to avoid confusion, and to make it simpler for reading. In the caption to Figure 7, the reference to the x axis should be: "probing depth below the soil surface".

It seems to me that the English language could be improved.