

## ***Interactive comment on “A new dataset of satellite observation-based global surface soil moisture covering 2003–2018” by Yongzhe Chen et al.***

**Yongzhe Chen et al.**

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Received and published: 14 August 2020

We thank referee #2 for the valuable comments that will help us improve the quality and readability of the manuscript. We have carefully revised the MS following your comments and suggestions. We provide a detailed response to the Referee’s comments in the Supplement below.

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2020-59/essd-2020-59-AC2-supplement.pdf>

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Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-59>,

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