

Dear Editor,

Thank you very much for comments regarding to the precipitation data.

In this study, the monthly precipitation data is used to make the Mann Kendall test and Sen's slope estimate as described in Section 3.2, and the results are shown in Section 4.2. The trend analysis of the precipitation is merely used to compared with the soil moisture trend, and it is not a part of the upscaling data. The monthly precipitation used in this study has been included in the "Supplementary data" folder of the updated dataset in the 4TU.ResearchData repository.

The data publication (<https://doi.org/10.4121/12763700.v5>), corresponding part in user guide and manuscript have been revised based on the comments and we hope that you can consider it for publication in Earth System Science Data.

Sincerely,

Pei Zhang

On behalf of all co-authors