

# Review of: "Spatio-Temporal Analysis of Precipitation Patterns in Xinjiang Using TRMM Data and Spatial Interpolation Methods: A Comparative Study"

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Potential competing interests: No potential competing interests to declare.

## General comments :

The work evaluates the performance of a precipitation satellite product (TRMM) at large temporal scales (monthly and yearly) and seeks the best spatial interpolation method for precipitation by testing four of them.

In my opinion, this is a small academic work that does not evaluate data at a fine temporal scale (daily or sub-daily). At the monthly and yearly scales used, it is often easy to find good agreements between ground-based rainfall and remote sensing data, whereas these rains might not fall on the same days.

Otherwise, The introduction is a bit thin. It should better contextualize the work, along with a literature review of the product and interpolation methods used ; and in a discussion section, it will be interesting to compare the results of the best interpolation method with the results from other similar works.

## Specific comments :

If this work is intended for a universal readership (not solely Chinese), please write all figure captions in English.

There is a lack of solid references for the used product and methods

The figures are not of very good quality, and their captions are not easily visible.

There are two Fig. 3 !

Conclusion : Major revisions before publication