

Response to review on manuscript: [hess-2020-294]

Title: Global component analysis of errors in three satellite-only global precipitation estimates

Journal: Hydrology and Earth System Sciences

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Authors: Hanqing Chen, Bin Yong*, Pierre-Emmanuel Kirstetter, Leyang Wang, Yang Hong

Dear Editor, Graham Jewitt:

We are glad to receive your positive comments on the paper. We would like to express our most sincere thanks to you and two reviewers. In the revision, we have addressed all the requests and comments of the editor and the reviewers point by point. For convenience, the responses to the comments were written down below in [blue font](#). We believe that the current version is suitable for publication in Hydrology and Earth System Sciences.

If you have any questions about this manuscript, please do not hesitate to let me know.

Sincerely yours,

Dr. Bin Yong

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Response for Editor

Copy-editing of the manuscript will be done automatically, but please check that you are happy with the language used in the context of the reviewers comments.

Finally, please consider the colours used in your figures. I think that red-green colour blind people will struggle with some of them.

In Figure 7, it is very difficult to distinguish between the colours used.

[Response: We have modified this Figure.](#)

In Figure 8, 10 and 11 colours are difficult to see and lines are very thin.

[Response: We have modified the three Figures.](#)

The editorial team will indicate whether they find your captions adequate. "As in Fig. x" is unlikely to be accepted - in general Captions should be able to stand alone from the paper they appear in.

[Response: We have revised this issue, see Captions \(pages 31-33\).](#)

Review #1

The authors did a great job with addressing my comments and I believe the manuscript is now suitable for publication. There are still a few minor grammatical errors that can

be easily fixed with a final revision.

For instance, it should be either "The objectives of this study are four" or "The objective of this study is four-fold".

Response: Thanks. We have revised this grammatical error (see line 106), and checked carefully the full text.