

Interactive comment on “The personal difference in absolute geomagnetic measurements” by Yufei He et al.

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Received and published: 29 December 2018

Thank you for your constructive suggestions. The explanation of the estimation method in the original manuscript is so short that make it obscure and hard to understand. Following your suggestion, we will add some descriptive sentences to explain this method, and will provide some explanation of the difference between traditional comparison method and the estimate method in this paragraph. In addition, an equation will be added to make the reading clear. All of these will help the reader to understand easily. Thanks again. The following paragraph will be added to the manuscript and marked in red. “The measurement procedure of the observation experiment is similar to that of international comparison. What’s different is that the observation experiment only concern on the differences between observers. Only the difference between the base-

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lines, which are determined by the same instruments and different persons, is calculated. The difference between the baselines, which are determined by the different instruments and different (or identical) persons, is not used here (to eliminate pillar error and the systematic differences of instruments). Therefore, the instrument difference, including the position error and pillar error were not be involved in the personal difference.”

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss.,
<https://doi.org/10.5194/gi-2018-37>, 2018.

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