

Interactive comment on “Application of bias correction methods to improve the accuracy of quantitative radar rainfall in Korea” by J.-K. Lee et al.

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Title: Application of bias correction methods to improve the accuracy of quantitative radar rainfall in Korea
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Comments for the Anonymous referee#3

We thank the reviewer very much for reading our paper carefully and for the comments. Detailed responses to the comments are given below.

Comment#1 This work is basically an application of well-known methods to compen-
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sate bias errors on weather radar rainfall estimations. Consequently the main cause of interest for this work is given by the test of such methods on the site represented by Korean radar network; this is particularly interesting for the LGC method, employed in the USA national mosaic. Paper structure is well done and complete, especially regards tables and figures included, and correctly Authors indicate this work relies on important assumptions that impact on the study results and require further investigations; one of this assumptions is that only one (cumulative?) reflectivity measurement bias is considered. Answer#1: This manuscript did not define bias and errors well. Therefore, the manuscript has been revised totally.

Comment#2: Nevertheless this work requires an important revision. The most concerning point is represented by results analysis, not as conclusive as declared by Authors, especially Z Bias method results, indeed quite arguable. Moreover some sections are not adequately developed and lack of clearness, English grammar and readability have to be improved in the whole paper, and also references requires some improvements. More specific details in the supplement. Answer#2: Accepted. The manuscript has been revised totally.

Please also note the supplement to this comment:

<http://www.atmos-meas-tech-discuss.net/8/C5333/2016/amtd-8-C5333-2016-supplement.zip>

Interactive comment on Atmos. Meas. Tech. Discuss., 8, 11429, 2015.

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