

## ***Interactive comment on “AIMERG: a new Asian precipitation dataset (0.1°/half-hourly, 2000–2015) by calibrating GPM IMERG at daily scale using APHRODITE” by Ziqiang Ma et al.***

### **Anonymous Referee #2**

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The study focuses on the application of a new calibration approach, Daily Spatio-Temporal Disaggregation Calibration Algorithm (DSTDCA), to daily scale on the retrospective IMERG data using APHRODITE product during 2000 to 2015. The quality of the calibrated AIMERG precipitation is analyzed against observation data. The study contains useful and novel information, and is generally well written. I recommend it for publication after some minor revisions. I have only a few minor comments listed below. More specific comments:: 1) Section 1 (Introduction): It would be good to add a review section on the calibration approaches that has been used in previous studies in this section. 2) Line 215: de-capitalize "Final" 3) Table 1: add horizontal lines to avoid confusion 4) Table 2: add a column of value ranges for the metrics considered 5) Fig-

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ure 4: Use the exact boundary of each subregion if the green boxes are not the exact boundary. How the subregion boundary defined and by what criteria? 6) Figure 6: The presentation of the points are somewhat difficult to see. especially around the zeros. 7) Section 5 (Discussion): It would be good to discuss and quantitatively compare horizontally to other high resolution precipitation products that exists over the same area, using the same metrics evaluated.

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