

Interactive comment on “Global radiation, photosynthetically active radiation, and the diffuse components dataset of China, 1981–2010” by Xiaoli Ren et al.

B. Jia (Referee)

jjabingrui@ibcas.ac.cn

Received and published: 12 May 2018

General Comments: Solar radiation is an important factor influencing plant growth. Thus, it is a crucial parameter in analyzing and modelling terrestrial ecosystem productivity, carbon sequestration and other ecophysiological functions. The data are interesting and can be of use for the scientific community. However, the current data formats, ArcGIS GRID and ASCII, will limit many researchers who can't use the ArcGIS. If the the monthly and yearly values before interpolating could be also given in a common format, e.g. Excel, the dataset is more favorable. In the following lines, authors will find minor comments: Page 3 Line 16: The detailed explanation “daily extra-terrestrial

C1

radiation”, because many readers might don't understand the meaning. Page 4 Line 13: N is possible daily sunshine duration, whether it is same at eight regions, what is it? Page 18 Table 2: The sample numbers should be given in eight regions.

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2018-4>, 2018.

C2