

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

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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

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radiation”, because many readers might not 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.

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