

Interactive comment on “From pixels to patches: a cloud classification method based on bag of micro-structures” by Q. Li et al.

Anonymous Referee #2

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General Comment:

The authors propose a new method of cloud classification (BoMS) based on the measurements of total-sky cloud imager (TCI) that located at Tibet. The methodology is described clearly, which is good for its application by the community. Compared to other methods, this method shows better performance.

If the authors can make some comments about the following issue, it will be better: In this paper, the dataset of the pictures are from the measurements in Tibet region. As we know, the aerosol optical depth is small in this region, and the quality of the images is ensured. However, in some other areas of China or other countries, the aerosol loading is much higher, and there are brown haze or sand storms sometimes. If the

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users use this method, do they need to do some data preprocesses or just distinguish the extreme sky condition by using some threshold judgment?

Specific Comments: Page 5, line 9-11: “which has totally 3256 elements...” For the three-dimensional vector set, is the elements number is “ 3^{256} ” or “ 256^3 ”?

Please also note the supplement to this comment:

<http://www.atmos-meas-tech-discuss.net/8/C3624/2015/amtd-8-C3624-2015-supplement.pdf>

Interactive comment on Atmos. Meas. Tech. Discuss., 8, 10213, 2015.

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