

Response to Reviewer #1's Comments:

Jiming Li et al. (Author)

We are very thanks Review #1 for pointing out the vital weaknesses of this paper and addressing significant comments on the original manuscript, which are very helpful and have led to significant improvements of this paper. Indeed, too many thick clouds were missed in our previous results. By combining the information of “LayerBase”, “LayerTop” heights and “CloudFraction” parameter, we reconstruct the cloud mask and redo the whole study. As indicated by Review #1, the results are very different (see the revised paper). In addition, some superfluous information in each section was deleted and some interpretations in each section were added in order to make the manuscript more clear. Some grammatical errors already were corrected in the revision and the paper also be edited by a native English speaker to make it more readable.