

Interactive comment on “The diurnal cycle of cloud profiles over land and ocean between 51 S and 51 N, seen by the CATS spaceborne lidar from the International Space Station” by Vincent Noel et al.

D. Duncan

david.duncan@chalmers.se

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The paper's discusses the diurnal changes in cloud fraction, but commonly CF is meant to represent the fraction of a grid box area or sensor field of view that is covered in cloud. Would it not be correct to give the results as cloud frequency instead, as that is what is actually being measured?

Secondly, the figures' color bars max out at CF=20%, with values above 20% visible in many of the figures. It would be good to extend the color bar so that fewer figures

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saturate like this.

Thanks for the discussion at EGU, this is quite interesting work.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2018-214>, 2018.

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