Interactive comment on “Observations of new particle formation in enhanced UV irradiance zones near cumulus clouds” by B. Wehner et al.

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Received and published: 3 September 2015

The authors deliver an extremely interesting observational study on new particle formation near marine clouds, and conclude that “marine clouds do not only play an important role as particle sinks due to activation and the following effects on the radiation budget but also as a source for aerosol particles”. I would like to bring the below work to the authors’ attention which came to this conclusion using cloud-system resolving simulations. Therein, the authors investigated the processes by which new particle formation proceeds as a result of the transition from closed to open cellular convection in marine stratocumulus clouds.

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