Atmos. Chem. Phys. Discuss., 10, C5514–C5514, 2010 www.atmos-chem-phys-discuss.net/10/C5514/2010/ © Author(s) 2010. This work is distributed under the Creative Commons Attribute 3.0 License.



Interactive comment on "Deep convective clouds at the tropopause" by H. H. Aumann and S. G. DeSouza-Machado

T. Garrett

tim.garrett@utah.edu

Received and published: 19 July 2010

This very interesting analysis seems suggestive of pileus cloud features that are also seen in the "bulges" above deep convective cloud tops. For example, the article at http://www.atmos-chem-phys.net/6/1185/2006/acp-6-1185-2006.html shows in Fig. 1 pileus clouds above extremely deep convection near Darwin, Australia, that likely forms according to one of the vertical displacement mechanisms shown in the schematic in Fig. 10.

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 16475, 2010.

C5514