

***Interactive comment on “Comparison of GEOS-5 AGCM planetary boundary layer depths computed with various definitions” by E. L. McGrath-Spangler and A. Molod***

**E. L. McGrath-Spangler and A. Molod**

erica.l.mcgrath-spangler@nasa.gov

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The processes controlling PBL depth are complex and no one variable can fully explain the inherent variability. One aspect that is different in the eastern portion of the domain is that there are regions with upslope winds associated with the Ahaggar, Aïr, and Tibesti Mountains that will tend to counteract the overlying subsidence and modify the PBL depth.

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