

Interactive comment on “On the comparisons of tropical relative humidity in the lower and middle troposphere among COSMIC radio occultations, MERRA and ECMWF data sets” by P. Vergados et al.

Anonymous Referee #2

Received and published: 6 February 2015

General comments

The authors investigate tropospheric relative humidity climatologies in the tropics based on GPS radio occultation data from COSMIC on a seasonal time scale. The results are compared to ERA interim and MERRA reanalysis data whereas the authors provide an assessment of the different datasets with respect to climatological features of tropical relative humidity.

The paper is well structured and written with clear results and conclusions. My recom-

C50

mendation is to publish the paper after correcting Eq. 1.

Interactive comment on Atmos. Meas. Tech. Discuss., 8, 517, 2015.