

# **Temperature comparison in the lower atmosphere between CHAMP radio occultation and TIMED/SABER measurements**

**C.M. Wrasse** (1), J. Fechine (1), H. Takahashi (1), C. M. Denardini (1), J. Wickert (2), M. G. Mlynczak (3), J. M. Russell (4)

(1) Instituto Nacional de Pesquisas Espaciais, São José dos Campos, SP, Brazil. (2) GeoForschungsZentrum, Potsdam, Germany. (3) Atmospheric Sciences Division, NASA Langley Research Center, Hampton, VA, U.S.A. (4) Center for Atmospheric Sciences, Hampton University, Hampton, VA, U.S.A.

Temperature profiles taken by CHAMP radio occultation measurement will be compared with the TIMED/SABER limb temperature observation in the troposphere and stratosphere. The CHAMP temperature has a vertical resolution of 0.2 km while the TIMED/SABER presents a 0.4 km in resolution. The comparison will be made in order to find out the main characteristics and difference of the temperature measured by these techniques.