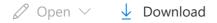
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Abstract Details

<u>AOGS 1st Annual Meeting</u> > <u>Interdisciplinary Working Groups</u> > IWG01; Peculiar behavior tropopause observed in tropical and extra tropical latitudes with CHAMP/GPS Radio Occulta measurements >

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Category: Interdisciplinary Working Groups

Paper ID: 57-IWG-A1828

Title: IWG01; Peculiar behavior of tropopause observed in tropical and ext

tropical latitudes with CHAMP/GPS Radio Occultation measurements

Abstract:

A global analysis of structure and variability of tropopause is present analysis is based on radio occultation measurements by CHAMP/GPS May 2001 to December 2003 (123,923 occultations). Tropopause heighefined by conventional lapse rate and cold point tropopause (LRT an is found to be increasing from tropics to extra tropical latitudes in corearlier observations. This feature is more prominently observed in the and Pacific oceans, and less observed in the parts of North and South America. Moreover the height of the tropopause is found to be increasignificantly in winter hemisphere. Significant hemispheric differences found both in the tropopause height and temperature. To elucidate the observed nature of the tropopause, we discuss the role of dynamical processes and their impact on chemical composition.

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