



Relationship of multiple tropopause events with the jet stream

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Previous studies have pointed out the coincidence of multiple tropopause events with the jet stream regions. An accurate knowledge of the tropopause structure and how the dynamical conditions influence on it is necessary in order to estimate the impact of the climate change, the mass transport between the troposphere and the stratosphere, ozone balances, etc. Here we present an exploratory study of the relationship between the occurrence of multiple tropopause structures and the features of the jet stream. The study is based on radiosonde data from the Integrated Global Radiosonde Archive (IGRA) and hemispheric daily data of the jet stream.