



PITHIA-NRF First Training School

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The neutral upper atmosphere

Sean Bruinsma

CNES, Space Geodesy Office, Toulouse, France

Basic physics, e.g. thermal structure, energy sources and sinks, hydrostatic equilibrium, and dynamics, e.g. tides, waves, seasonal variations and response to solar storms, of the thermosphere will be reviewed. The variability of the thermosphere, spatially and temporally, will be revealed by means of observed densities and model predictions. Types of models will be described, the basic types of observations, as well as the model drivers. Finally, model uncertainty and forecasting will be briefly discussed.



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