

Topic: To quantify the response of thermospheric density and composition to solar and high latitude forcing.

Project Title:

A Comprehensive Statistical Analysis of Thermospheric Neutral Wind Measurements; Building a Testing a New Reference Model

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Project Information:

Based on the success and failures of the HWM-93 model, we propose to construct a new empirical wind reference model to answer several important science questions relating to the place of thermospheric winds in the broader LWS objectives. Our new model will also serve as the benchmark for future scientific investigations and numerical simulations of the thermosphere/ionosphere system.

ROSES ID: NRA-NNH04ZSS001N

Duration:

Selection Year: 2005

Program Element: Data, Tools, & Methods

Citations: