Public Pages: Space-based instruments, Ground-based instruments, Data analysis, Modelling,
GSFC Code 916: Atmospheric Chemistry and Dynamics Branch

EOS Interdisciplinary proposal

Code 916 has an interdisciplinary proposal funded under EOS, "Investigate the Chemical and Dynamical Changes in the Stratosphere Up to and During the EOS Observing Period." The Principal Investigator is Dr. Mark Schoeberl.

The purpose of this investigation is to characterize both anthropogentic and natural stratospheric changes. The main part of this effort consists of generating high-quality long-term data sets for stratospheric ozone, temperature, and trace gases starting with the Nimbus-7 measurements, continuing with UARS, and on through the EOS and UARS periods using forecast/assimilation techniques. The assimilation analyses will provide dynamically and chemically balanced global representations of satellite and ground-based data. The assimilated data will significantly improve the evaluation of trace constituent budgets and meteorological diagnostics and will help characterize the dynamical/chemical/radiative interactions in the stratosphere.

This effort overlaps and is strongly linked with many of the other research activities in Codes 916 and 910.3.

Progress reports

Here is our progress report for 1997.

Here is our progress report for 1996.

Here is our progress report for 1995.

Here is our progress report for 1994.

Other reports

This is Chapter 9 of the EOS Science Plan, which deals with Ozone and Stratospheric Chemistry

For Our Colleagues

We also maintain a page with restricted access for use by our scientific colleagues. There is no secret, confidential, or classified data on this page--we simply seek to avoid having the facilities described there swamped by over-use by the general public. To access this page, you will need to enter a username and a password. The user name is the last name of the man after whom a widely-used form of potential vorticity is named. (Capitalize appropriately.) The password is the name of the common approximation in atmospheric dynamics in which the pressure force exactly balances the Coriolis force. (Of course, this password business is intended merely to filter out casual browsers; we have no illusions about security.)

You may also go to the web page for the EOS Project Science Office

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 Back to the Code 916 Public page

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Last Updated: 2002-05-01
Web Curator: Leslie R. Lait (SSAI) (lrlait@ertel.gsfc.nasa.gov)
Responsible NASA organization/official: Dr. P. K. Bhartia, Atmospheric Chemistry and Dynamics Branch/Head