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EDUCATION

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| Ph.D. | 1991 | Astrophysical, Planetary, and Atmospheric Sciences, Univ. Colorado, Boulder.
Dissertation Title: "Rocket Measurements of Self-Absorption of the Nitric Oxide (1,0) Π Band in the Daytime Thermosphere", C.A. Barth, advisor. |
| B.S. | 1985 | Physics and Mathematics (double major), Univ. Wisconsin, Madison |

EMPLOYMENT HISTORY

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| 1997-present | Research Scientist-III, Laboratory for Atmospheric and Space Physics (LASP), Univ. Colorado. |
| 1995-1996 | Research Associate, Cooperative Institute for Research in Environmental Studies (CIRES), Univ. Colorado, and NOAA Space Environment Center (SEC). |
| 1994-1995 | Visiting Scientist, National Center for Atmospheric Research (NCAR), Atmospheric Chemistry Division (ACD), with B. A. Ridley. |
| 1993-1994 | National Research Council (NRC) Research Associateship, NOAA Space Environment Lab (SEL), with T. J. Fuller-Rowell & D. Evans |
| 1992-present | Lecturer, Department of Astrophysical and Planetary Sciences (APS), Univ. Colorado. |
| 1991-1993 | Post-doctoral Research Associate, LASP, Univ. Colorado, with D. W. Rusch. |
| 1986-1991 | Research Assistant, LASP, Univ. Colorado, with C.A. Barth; and Teaching Assistant, APAS Department, Univ. Colorado. |

RESEARCH INTERESTS

The aeronomy of the upper atmosphere, the effects of solar spectral irradiance and particle flux variability on the thermosphere and mesosphere, and the sources of that variability. Approaches include sounding rocket and satellite observations of the solar output and of atmospheric constituents, and data analysis and theoretical modelling of both solar and atmospheric variability.

RECENT RESEARCH PROJECTS

Co-Investigator and project scientist on the EUV Variability Experiment (EVE) on the Solar Dynamics Observatory (SDO) satellite mission to be launched in 2007, with T.N. Woods as Principal Investigator (2002-present).

Co-Investigator and instrument scientist on the Solar EUV Experiment (SEE) on the Thermosphere-Ionosphere-Mesosphere Energetics and Dynamics (TIMED) satellite mission and supporting sounding rocket flights of SEE prototype instruments, with T. N. Woods as Principal Investigator (1997-present).

Medium energy particle precipitation effects on the mesosphere and lower thermosphere, Co-Investigator with M. V. Codrescu (1998-2002).

Modeling and analysis of UARS data in the stratosphere, mesosphere and lower thermosphere, Co-Investigator with D. E. Siskind (1998-2001).

EDUCATION AND PUBLIC OUTREACH EXPERIENCE

2001-present	Member of LASP EPO Coordinating Committee
2000	Attended Space Science Institute's Education Workshop for Scientists, Engineers, and Educators, April, 2000.
1997-2000	Assisted in EPO associated with NASA Solar Sounding Rocket program (curriculum development and implementation in Boulder third grade classes), T.N. Woods, PI.

SELECTED PUBLICATIONS

- Eparvier, F.G., Solar imaging needs for the Space Environment Monitor on the Geostationary Operational Environmental Satellites (GOES R+): A report of the GOES R Solar Imager Workshop, *NOAA SEC Report*, Jan. 31, 2002.
- Eparvier, F.G., T.N. Woods, G.J. Ucker, D.L. Woodraska, TIMED Solar EUV Experiment: preflight calibration results for the EUV grating spectrograph, *Proc. SPIE*, **4498**, 91-100, 2001.
- Tobiska, W.K., T. Woods, F. Eparvier, R. Viereck, L. Floyd, D. Bouwer, G. Rottman, O.R. White, The SOLAR2000 empirical solar irradiance model and forecast tool, *JASTP*, **62**, 1233-1250, 2000
- Woods, T.N., S. Bailey, F. Eparvier, G. Lawrence, J. Lean, B. McClintock, R. Roble, G.J. Rottman, S.C. Solomon, W.K. Tobiska, O.R. White, TIMED Solar EUV Experiment, *Physics and Chemistry of the Earth Part C-Solar-Terrestrial and Planetary Science*, **25**, 393-396, 2000.
- Brekke, P., W.T. Thompson, T.N. Woods, F.G. Eparvier, The extreme-ultraviolet solar irradiance spectrum observed with the coronal diagnostic spectrometer (CDS) on SOHO, *Astrophys. J.*, **536**, 959-970, 2000.
- Woods, T., E. Rodgers, S. Bailey, F. Eparvier, and G. Ucker, TIMED Solar EUV Experiment: pre-flight calibration results for the XUV Photometer System, *Proc. SPIE*, **3756**, 255-264, 1999.
- Drake, V. A., F. G. Eparvier, W. E. McClintock, T. N. Woods, G. Ucker, and C. Hill, Microchannel plate performance and life-test results for the TIMED Solar EUV Experiment, *Proc. SPIE*, **3445**, 603-614, 1998.
- Tobiska, W. K., and F. G. Eparvier, EUV97: Improvements to EUV irradiance modeling in the soft x-rays and FUV, *Solar Phys.*, **177**, 147-159 1998.
- Woods, T.N., S.M. Bailey, F.G. Eparvier, G.M. Lawrence, J. Lean, W.E. McClintock, R.G. Roble, G.J. Rottman, S.C. Solomon, W.K. Tobiska, G.J. Ucker, O.R. White, TIMED Solar EUV Experiment, *Proc. SPIE*, **3442**, 180-191, 1998.
- Siskind, D. E., D. J. Strickland, R. R. Meier, T. Majeed, and F. G. Eparvier, On the relationship between the solar soft X ray flux and thermospheric nitric oxide: An update with an improved photoelectron model, *J. Geophys. Res.*, **100**, 19,687-19,694, 1995.