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EDUCATION

Ph.D.	1991	Astrophysical, Planetary, and Atmospheric Sciences, Univ. Colorado, Boulder
B.S.	1985	Physics and Mathematics (double major), Univ. Wisconsin, Madison

CURRENT EMPLOYMENT

1997-present Research Scientist, Laboratory for Atmospheric and Space Physics, Univ. Colorado (Senior Research Scientist since 2012)

RESEARCH INTERESTS

Solar spectral irradiance measurements, sources of solar variability, and effects of that variability on the space environment at Earth and other planets. Approaches include instrumentation for sounding rocket, satellite, and CubeSat observations of the solar output and of atmospheric constituents, careful radiometric calibration of such instrumentation, data analysis and theoretical modelling of both solar and atmospheric variability, and space weather nowcasting and forecasting.

CURRENT PROJECTS

- PI on the NOAA GOES-R Extreme ultraviolet and X-ray Irradiance Sensors (EXIS), four flight model plus spares, first launched in 2016, second in 2018 and the rest in later years.
- Co-Investigator and Instrument Scientist on the Mars Atmosphere and Volatile EvolutioN (MAVEN) mission Extreme Ultraviolet Monitor (EUV) launched Nov. 2013, with B. Jakosky as Principal Investigator of the MAVEN mission.
- Co-Investigator and Project Scientist on the EUV Variability Experiment (EVE) on the NASA Solar Dynamics Observatory (SDO) satellite mission launched in Feb. 2010, with T.N. Woods as Principal Investigator.
- Principal Investigator on NASA LWS Grant Improving Solar EUV Spectral Irradiance Models with Multi Vantage Point Observations

SELECT RECENT PUBLICATIONS

- Eparvier, F.G., P.C. Chamberlin, T.N Woods, E.M.B. Thiemann, The Solar Extreme Ultraviolet Monitor for MAVEN, *Space Sci Rev,* **195**, 2015. doi:10.1007/s11214-015-0195-2
- Woods, T.N., F.G. Eparvier, J. Harder, M. Snow, Decoupling Solar Variability and Instrument Trends Using the Multiple Same-Irradiance-Level (MuSIL) Analysis Technique, *Solar Phys*.**, 293:21**, 2018. doi: 10.1007/s11207-018-1294-5
- Chamberlin, P. C.; Woods, T. N.; Didkovsky, L.; Eparvier, F. G.; et al.; Solar Ultraviolet Irradiance Observations of the Solar Flares During the Intense September 2017 Storm Period, *Space Weather*, **16**, 1470-1487, 2018. DOI: 10.1029/2018SW001866.