



## **A Comparison of the SOHO-SEM and TIMED-SEE Solar EUV Irradiance Data**

A. Jones (1), F. Epariver (1), T. Woods (1), L. Didkovsky (2), D. Jones (2), and S. Wieman (2)

(1) University of Colorado, LASP, Boulder, CO, United States (andrew.jones@lasp.colorado.edu, 303-735-0914), (2) University of Southern California, Space Sciences Center, Los Angeles, CA, United States

The Solar EUV Monitor (SEM) on SOHO has been measuring the solar EUV in the 24–30nm and 0.1–50nm integrated wavelength bands almost continuously since 1996. The Solar EUV Experiment (SEE) on TIMED has been measuring the 0–195nm solar spectrum since February 2002.

Understanding the similarities and differences in the data is important. The SEM data (spanning the complete solar cycle 23) is used in current operational Space Weather models. The SEE data with a wider wavelength coverage and is used for solar flare and terrestrial atmospheric models, but is only available for the falling phase of cycle 23.