

Solar Spectral Irradiance & Climate Modeling Workshop

August 9, 2006

Workshop Goals

- Promote the use of SORCE SSI and its variability in a variety of applications: climate, chemistry, radiative transfer, ...
 - **Provide** better understanding of what SORCE SSI data are available, format, cadence, sampling and spectral resolution, precision and accuracy
 - **Gain** better understanding of current and future user community needs
- Emphasis on part of spectrum where greatest *absolute* variability occurs (200-2000 nm)
- Emphasis on climate processes, mechanisms of climate response to SSI variability
- Foster new interactions between modeling community and SORCE science team
- Ultimate goal is improved understanding of underlying physical processes responsible for Sun-Climate connections



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<i>Overview of measured SORCE SSI and its variability</i>	Jerry Harder
<i>Overview of models of SSI variability, users, applications</i>	Judith Lean
<i>Paleoclimate applications</i>	Caspar Ammann
<i>Coupled climate/atmospheric models</i>	
WACCM	Dan Marsh
HAMMONIA	Hauke Schmidt
GISS	Judith Lean
<i>Earth atmosphere radiative transfer</i>	Jennifer Delamere
<i>Solar Radiation Physical Model (SRPM)</i>	Juan Fontenla
LASP <i>Interactive</i> Solar Irradiance Datacenter (LISIRD)	Marty Snow

