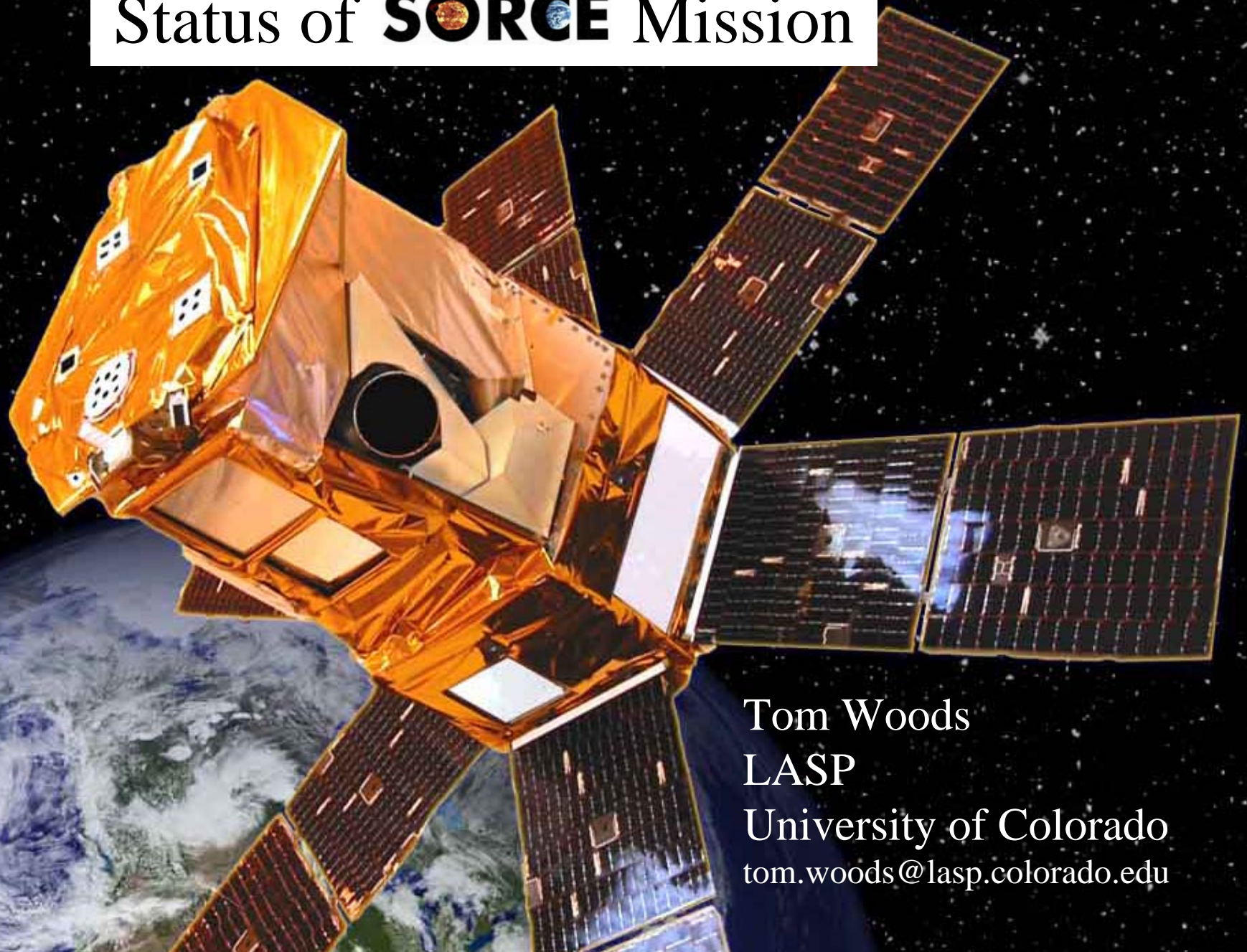


Status of **SORCE** Mission



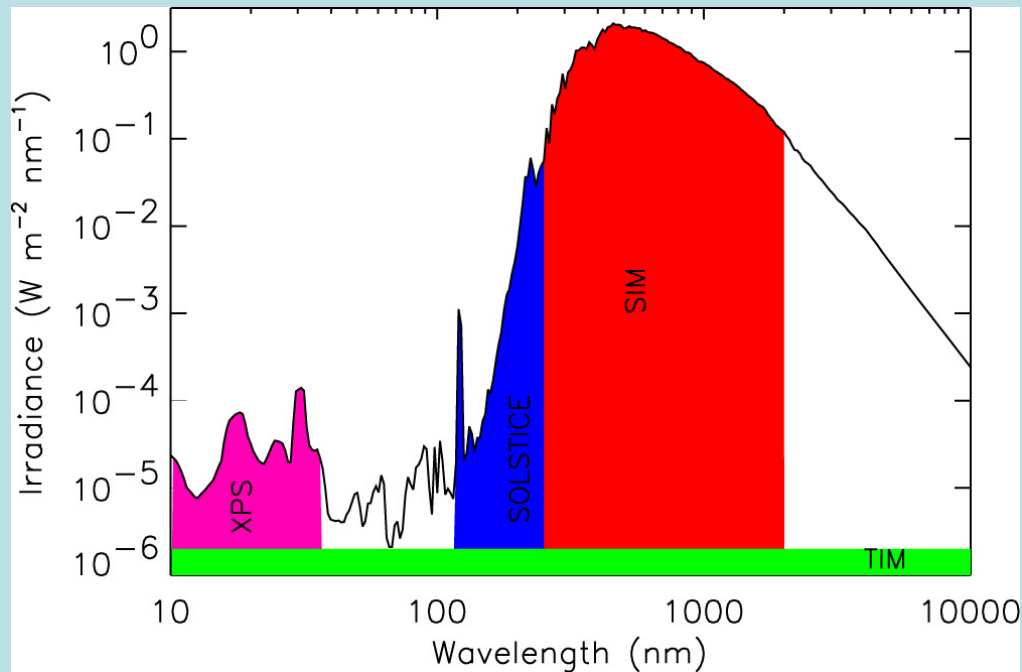
Tom Woods

LASP

University of Colorado

tom.woods@lasp.colorado.edu

SORCE Measures TSI and SSI



SORCE spacecraft was launched on 25 January 2003.

SORCE mission is currently funded until January 2008.









SORCE mission could be extended another 4 years from next Senior Review (2007).

Instrument	λ Range (nm)	$\Delta\lambda$ (nm)
TIM: Total Irradiance Monitor	TSI (all)	-
SIM: Spectral Irradiance Monitor	200-2700	1-30
SOLSTICE: Solar Stellar Irradiance Comparison Experiment	115-320	0.1
XPS: XUV Photometer System	0.1-27	7-10

Next annual SORCE science workshop is 20-22 Sept 2006 in San Juan Islands, WA:
 “Earth’s Radiative Energy Budget”

<http://lasp.colorado.edu/sorce/>

SORCE Scientists and Data Products

SORCE Instrument	Instrument Scientists	Public Data Products
TIM	 <p>Greg Kopp</p>	<p>TSI</p> <p>TIM L3 Version 7</p>
SIM	 — Jerry Harder  — Juan Fontenla  — Erik Richard  — Peter Pilewski	<p>SSI: 200-2700 nm</p> <p>SIM L2 Version 9</p> <p>SORCE L3 Version 9</p>
SOLSTICE	 — Bill McClintock  — Marty Snow	<p>SSI: 115-320 nm</p> <p>SOLSTICE L2 Version 6</p> <p>SORCE L3 Version 9</p>
XPS	 <p>Tom Woods</p>	<p>SSI: 0-27 nm</p> <p>XPS L3 Version 7</p> <p>XPS L4 Version 7</p>

Solar Irradiance Satellite

Programs

at

LASP

University of Colorado

at Boulder



LISIRD

LASP INTERACTIVE
SOLAR IRRADIANCE DATACENTER

data web site

lasp.colorado.edu/lisird/

Past

Current

Future

Satellite Instrument	Years Operating	Wavelength Range
Rockets	1950-2004	0-320 nm
SME	1981-1989	115-320 nm
UARS SOLSTICE	1991-2005	119-420 nm
<u>TIMED SEE</u>	2001-2010	
EGS		27-195 nm
XPS		0-27 nm
<u>SORCE</u>	2003-2008	
TIM		TSI
SIM		200-2000 nm
SOLSTICE		115-320 nm
XPS		0-27 nm
Glory TIM	2007-2013	TSI
SDO EVE	2008-2014	0-105 nm
<u>NPOESS</u>	??? 2013-2023	
TIM		TSI
SIM		200-2000 nm