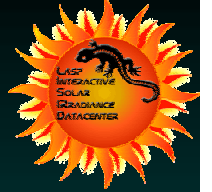




LISIRD
LASP INTERACTIVE SOLAR
IRRADIANCE DATACENTER



The LASP Interactive Solar IRradiance Datacenter (LISIRD)

Marty Snow
snow@lasp.colorado.edu

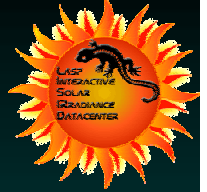
What is LISIRD?

- LISIRD is currently a web interface to the solar irradiance datasets from past, current, and future LASP missions.
[HTTP://LASP.COLORADO.EDU/LISIRD](http://lasp.colorado.edu/lisird)
- “One Stop Shopping” for irradiance data. Since we specialize in irradiance only, LISIRD is more convenient than the VSO.

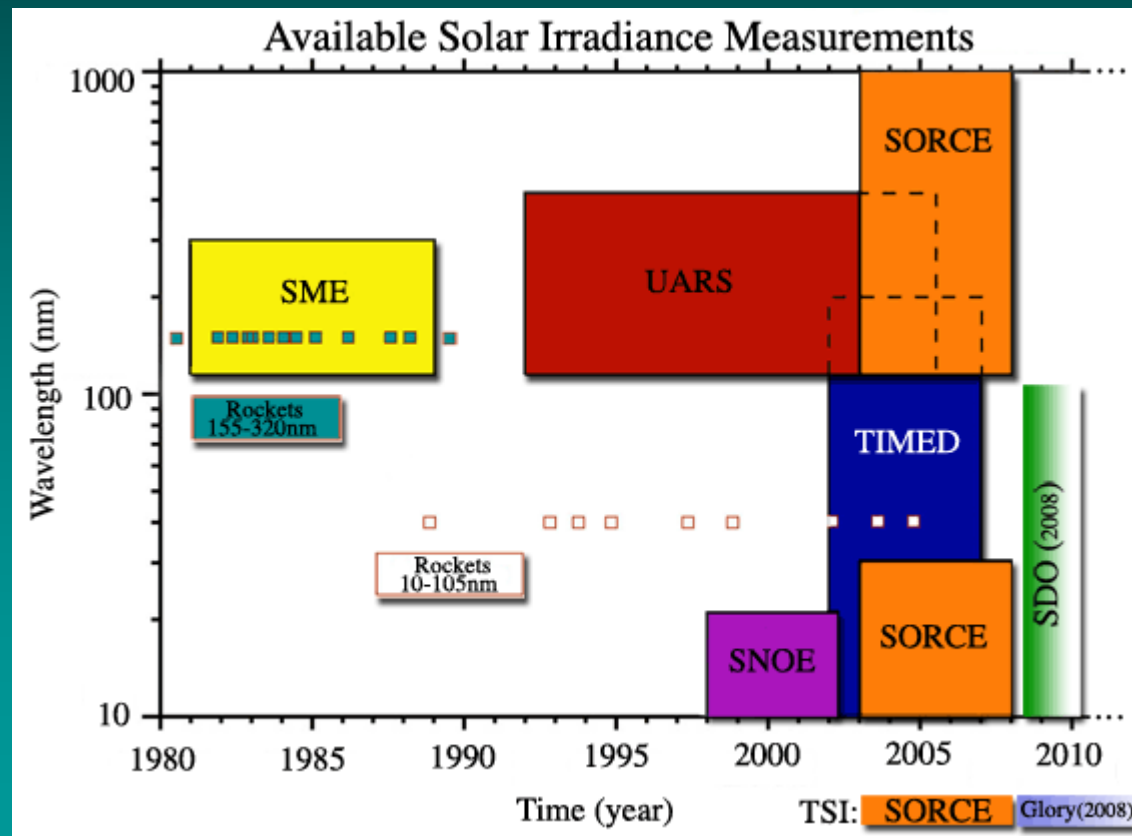
The goal of LISIRD is to make it easy for people to get irradiance data in the form that is most useful to them.

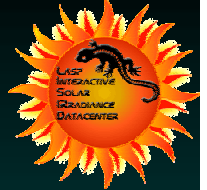
- Standard data products
- Composite time series
- Synthetic spectra (and time series)
- Indices (Mg II, Lyman alpha, etc.)

LISIRD has the flexibility to make additional data products available if the community wants them (hint, hint)



LISIRD Datasets





Current Interface

LISIRD: Lasp Interactive Solar Irradiance Datacenter - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail News RSS Feeds

Address http://lasp.colorado.edu/lisird/data_access.htm

Google Search 11 blocked Check AutoLink AutoFill Options



LISIRD DATA ACCESS

CHOOSE INTERFACE:

TIME SERIES

- Solar Spectral Irradiance (SSI)
- Total Solar Irradiance (TSI)
- Composite Lyman Alpha
- MgII Index

SPECTRA

- Measurements
- Model Results (future availability)
- Reference Spectra (future availability)

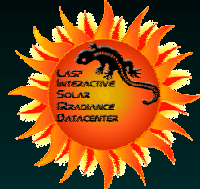
Solar Images from Precision Solar Photometric Telescope (PSPT)

- Images (future availability)
- Image Masks (future availability)



Have a comment? Submit i

Submit comment



Selecting Time Series Data

LISIRD TIME SERIES DATA ACCESS - Microsoft Internet Explorer

Address: http://lasp.colorado.edu/cgi-bin/ion-p?page=lsird_time_series_input.ion

NOTE: These data access pages are still in their development phase.

[Back to Menu](#)

TIME SERIES DATA

Fields marked with * are required. The default values have been added for you.

* **Choose a Data Set:** [Dataset Info](#)
SORCE (115-1600nm) (25-Feb-2003 to present)

* **Enter Time Range:** [Valid time formats](#)
Start: 4-Jul-2006
Stop: 3-Aug-2006

* **Enter Wavelength Range (nm):**
Min: 121
Max: 122
Integrate over wavelength:

[Plot Data](#) [Print Data to Screen](#)
[Save Data to File](#)

RECENT LYMAN ALPHA PLOT:

SRI Data for Wavelength: 121.500- 121.500 for 25-Feb-2003 to 17-Dec-2006

Have a comment? [Submit](#) [Submit comment](#)

Future Plans

- Additional methods for accessing data
 - ftp
 - direct API
 - subscription
- Additional datasets
 - Non-LASP irradiance measurements
 - PSPT images
 - Composite time series
 - *SORCE Level 4 data product*
 - Matt Deland has a LWS grant to develop UV composites and will host the results on LISIRD
- Additional output data file formats (currently only ASCII) and physical units (currently only nm and $W/m^2/nm$)
- Additional Data products that users request
 - Spectral resolution
 - Time Cadence (including Space Weather products)