The LASP Interactive Solar Irradiance Datacenter (LISIRD)

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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
- “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)
Current Interface
Selecting Time Series Data

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

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**TIME SERIES DATA**

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

* Choose a Data Set: Dataset info
  SORCE (115-1800nm) (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
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/m²/nm)

- Additional Data products that users request
  - Spectral resolution
  - Time Cadence (including Space Weather products)