



Photography encouraged



Overview

LISIRD is a website where researchers can discover, analyze, and download solar data from a variety of missions, instruments, models, and laboratories. LISIRD provides many types of data, including:

- **Solar Spectral Irradiance:** irradiance measured at individual wavelengths.
- **Total Solar Irradiance:** a measurement of the integrated energy across the entire electromagnetic spectrum.
- **Composite:** integrated solar irradiance measurements from different instruments, reference spectra, etc.
- **Sunspot Number:** number of sunspots observed on the surface of the sun.

Improvements

The LASP web team has made significant improvements to LISIRD over the past year, including:

- Nearly doubling the number of available datasets (both internal and external to LASP).
- User interface updates to enhance dataset search, analysis, and download capabilities.
- Increased user insights through usage statistics and usability testing.

Built On



<https://github.com/latis-data/latis>

LaTiS: LaTiS is both a library and a service for manipulating and serving data modeled using the functional data model (FDM). The FDM is a specialization of the relational data model in which relations are strengthened to functions, providing richer semantics useful for representing scientific data.



LEMR: The LASP Extended Metadata Repository is a semantic database of metadata information about the datasets served.

These technologies together make it quick and easy to add and maintain datasets.

Contact Us

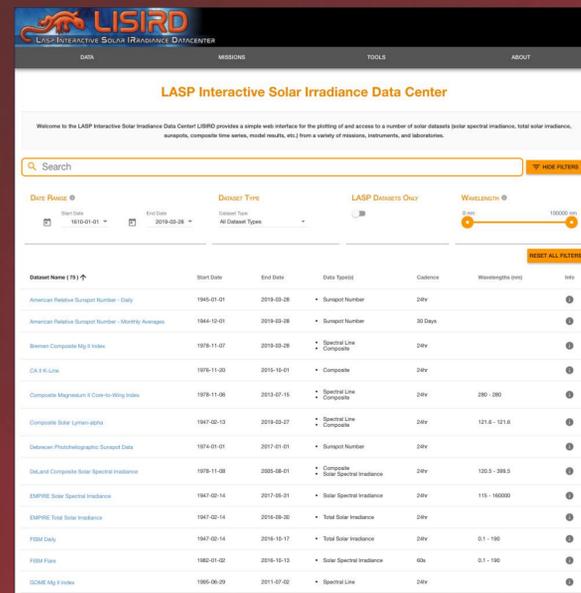
lisird@lasp.colorado.edu

Feel free to contact us with any questions, feedback, or suggestions for datasets you'd like offered through LISIRD.

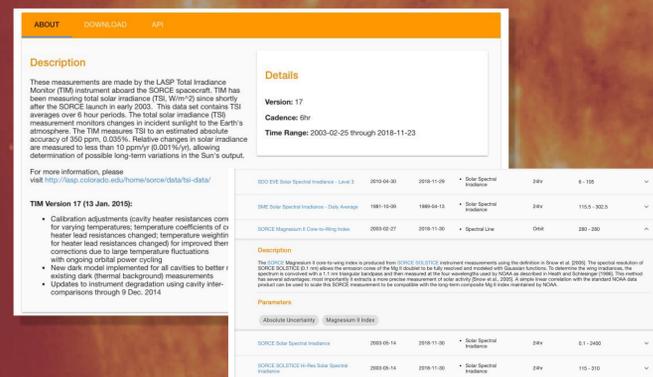
Over 75 Solar Datasets

From LASP, NASA, NOAA, NSO, and more!

Discover



Search and filter controls to help quickly find applicable datasets



Detailed metadata

Analyze

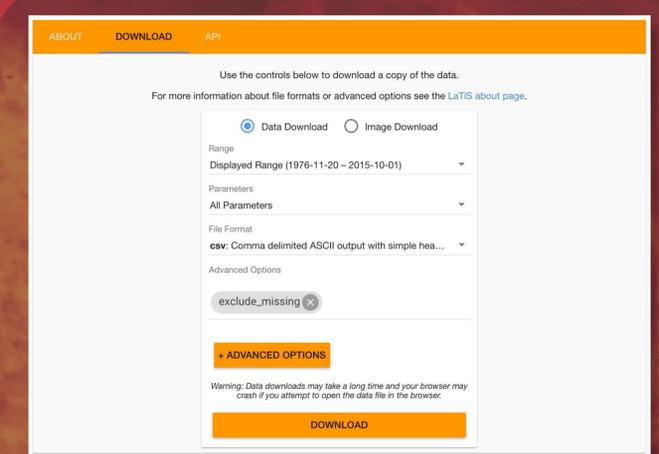


Time series and spectrum views for SSI datasets

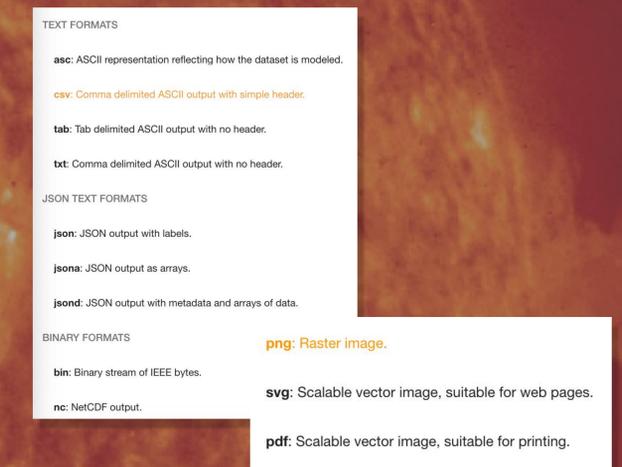


Simple plot interaction tools

Download



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Great for keeping file sizes small by getting only the data you need



Numerous download formats, with more to come