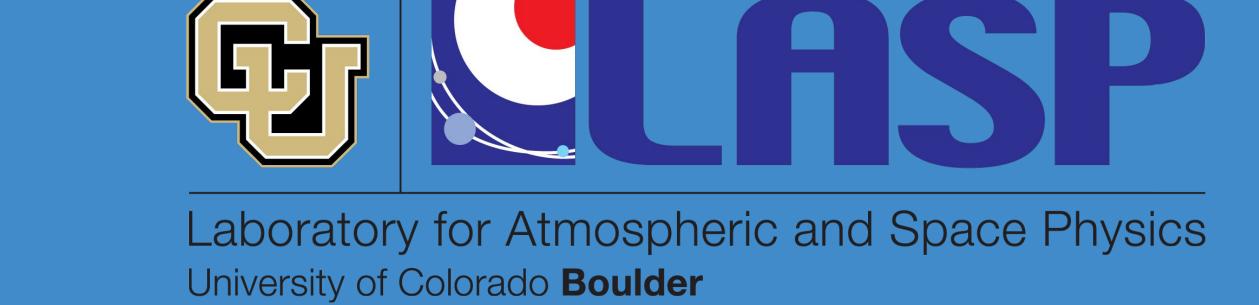
ED43C-1117

LISIRD: An Online Resource for Making Solar Data More Accessible

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Overview

The LASP Interactive Solar IRradiance Datacenter (LISIRD) is a website that provides convenient, standardized access to solar data from a variety of space missions, instruments, models, and laboratories. LISIRD provides several types of data, including solar spectral irradiance, total solar irradiance, spectral bands, sunspot number, and composite.

Objectives

The primary objectives of LISIRD include:

- **Discoverability**: Make solar data more openly available.
- Standardization: Offer a common interface for otherwise disparate data.
- Modernization: Rethink how data can be accessed beyond just static files on a server.
- Analyzability: Offer data that is analysis ready by removing preprocessing overhead.

Improvements

The LASP web team is in the process of upgrading LISIRD. By the summer of 2020, you can expect several new features, including:

- Image datasets made available through an interactive image viewer.
- Better integration with tools like Python,
 Jupyter Notebooks, and SunPy.
- Easier comparative analysis by displaying multiple datasets on the same plot or page.
- The ability to save and share specific configurations of plots and groups of plots.

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

LASP Interactive Solar Irradiance Data Center

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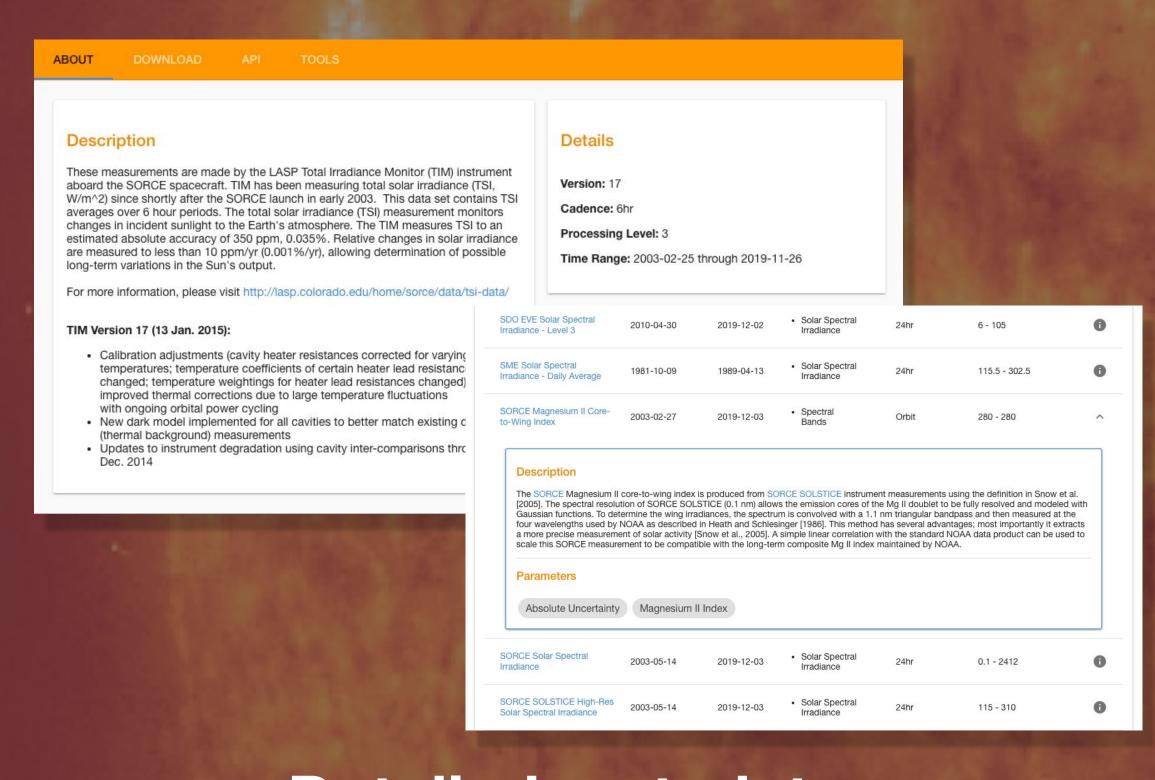
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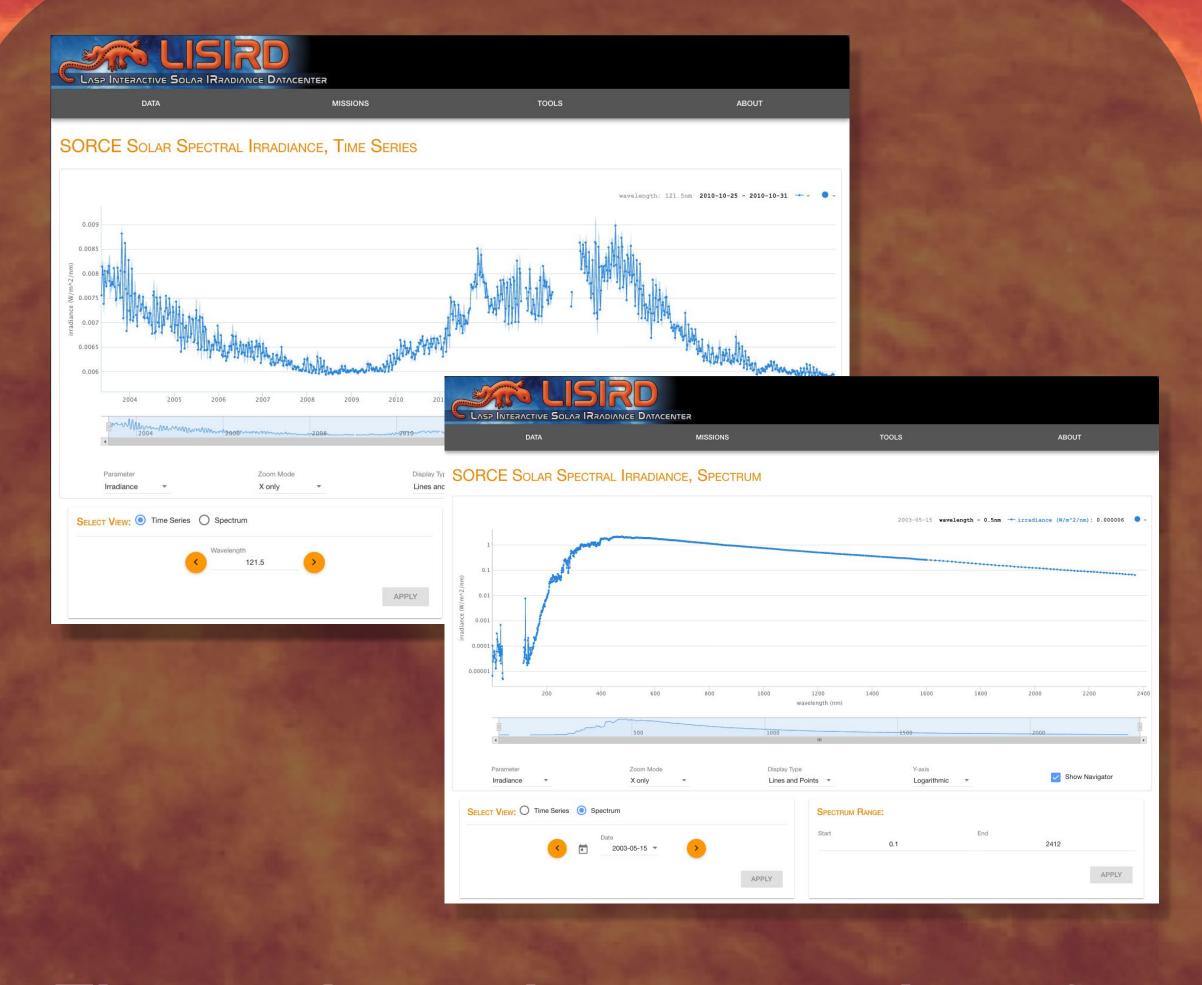
| Composite | Composite

Search and filter controls to help quickly find applicable datasets



Detailed metadata

Visualize

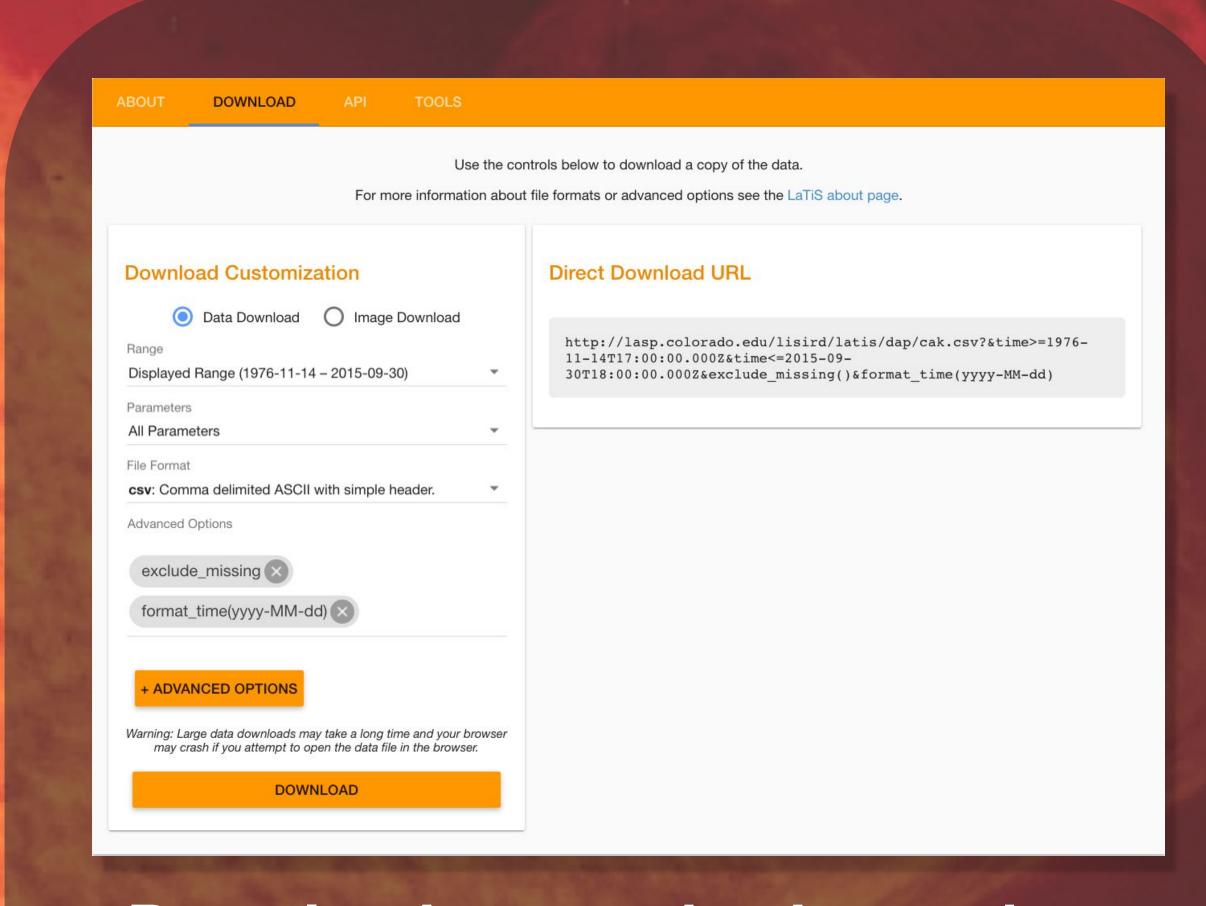


Time series and spectrum views for SSI datasets



Intuitive plot interaction tools

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only the data you need

à	TEXT FORMATS
-	asc: ASCII representation reflecting how the dataset is modeled.
N.	csv: Comma delimited ASCII output with simple header.
é	tab: Tab delimited ASCII output with no header.
	txt: Comma delimited ASCII output with no header.
ř	JSON TEXT FORMATS
٢	json: JSON output with labels.
8	jsona: JSON output as arrays.
	jsond: JSON output with metadata and arrays of data.
3	BINARY FORMATS png: Raster image.
	bin: Binary stream of IEEE bytes.
8	svg: Scalable vector image, suitable for web pages. nc: NetCDF output.
	pdf: Scalable vector image, suitable for printing.

Numerous download formats

lasp.colorado.edu/lisird

