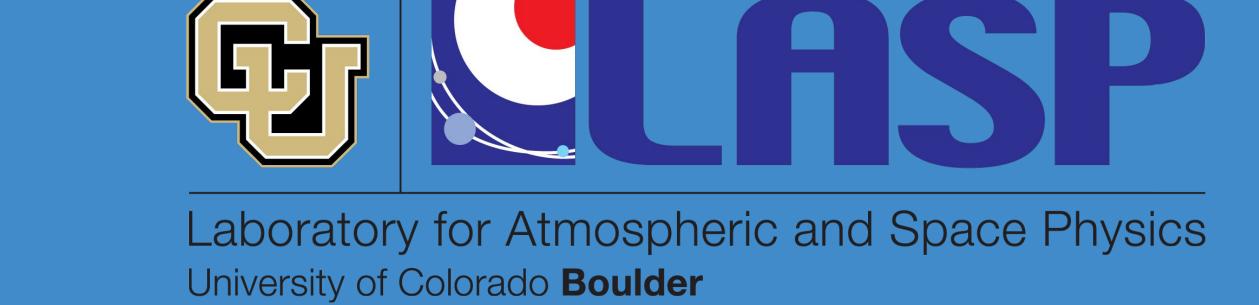# LISIRD: An Online Resource for Making Solar Data More Accessible

Hunter Leise, Tom Baltzer, Anne Wilson, Doug Lindholm, Martin A. Snow, Don Woodraska,
Stéphane Béland, Odele Coddington, Chris Pankratz, and the LASP Web Team

CU / LASP
Laboratory for Atmospheric and Space Physics
University of Colorado **Boulder**

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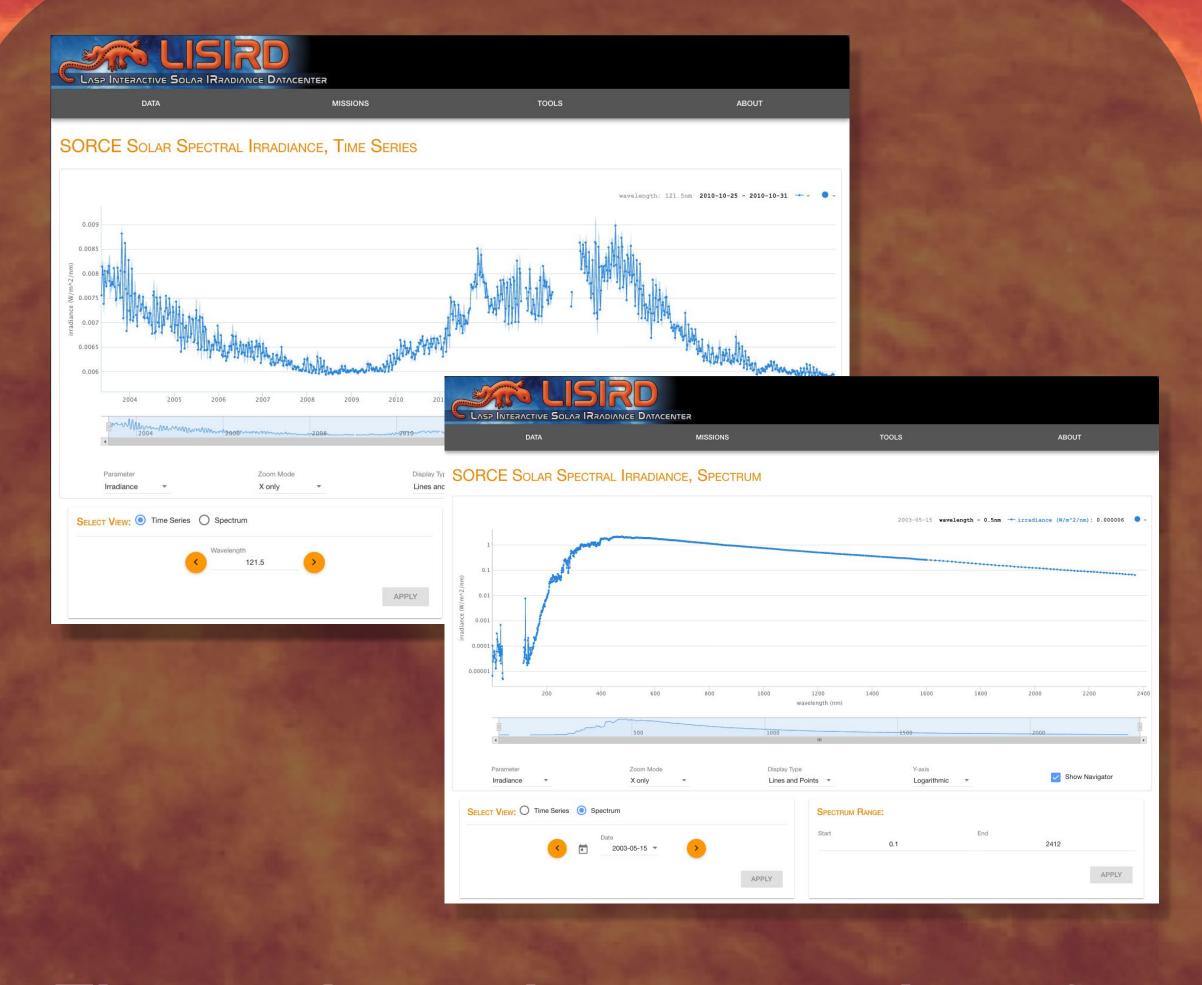## From LASP, NASA, NOAA, NSO, and more!

Discover

Search and filter controls to help quickly find applicable datasets

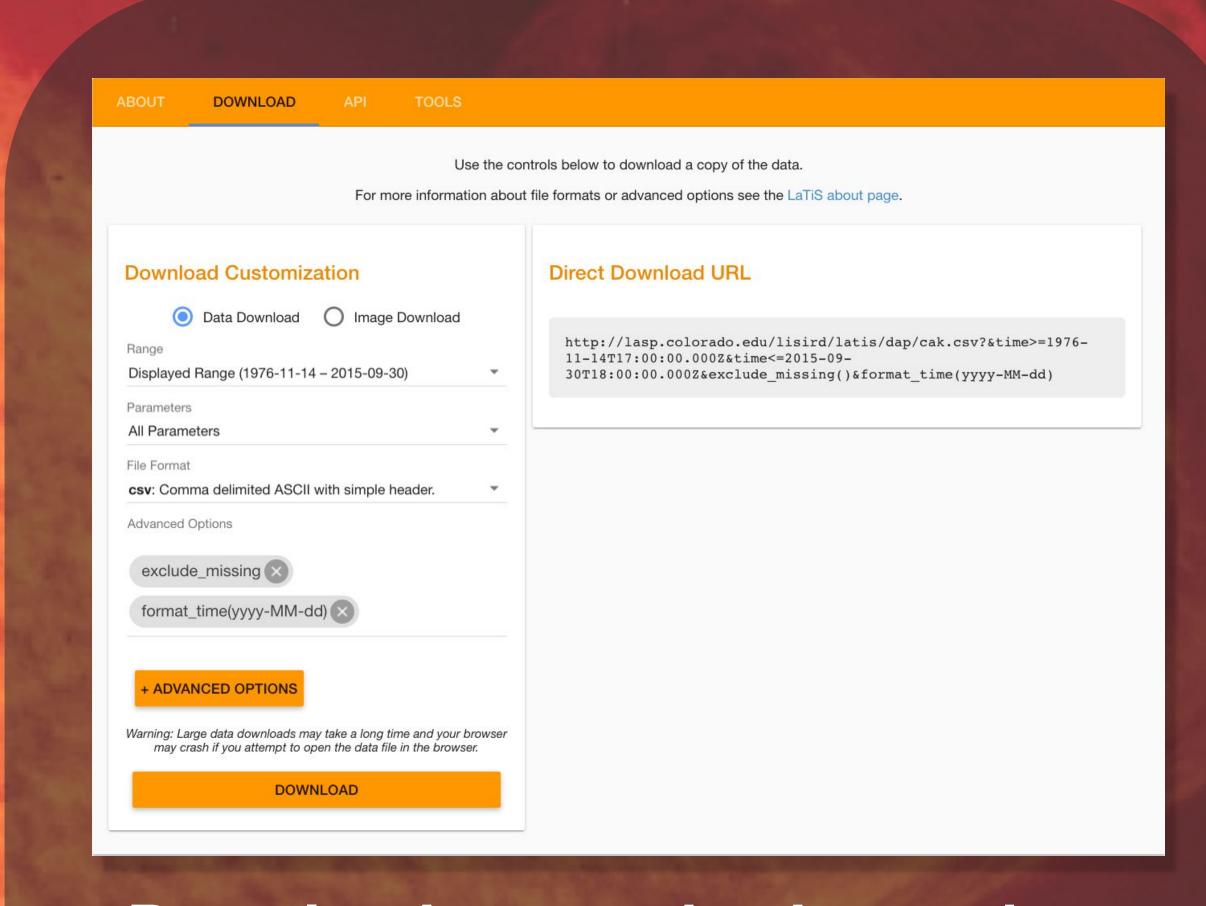**Detailed metadata**

Visualize

Time series and spectrum views for SSI datasets

Intuitive plot interaction tools

Download

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

Numerous download formats

lasp.colorado.edu/lisird