

ESSI2.1-X3.18

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<http://lasp.colorado.edu/lisird>

# SOLAR

**FREE**

**DATA!**

23 SSI datasets with time series and spectrum views  
Metadata in triple store for eased adding, updating and cross-walking  
6 Composite datasets

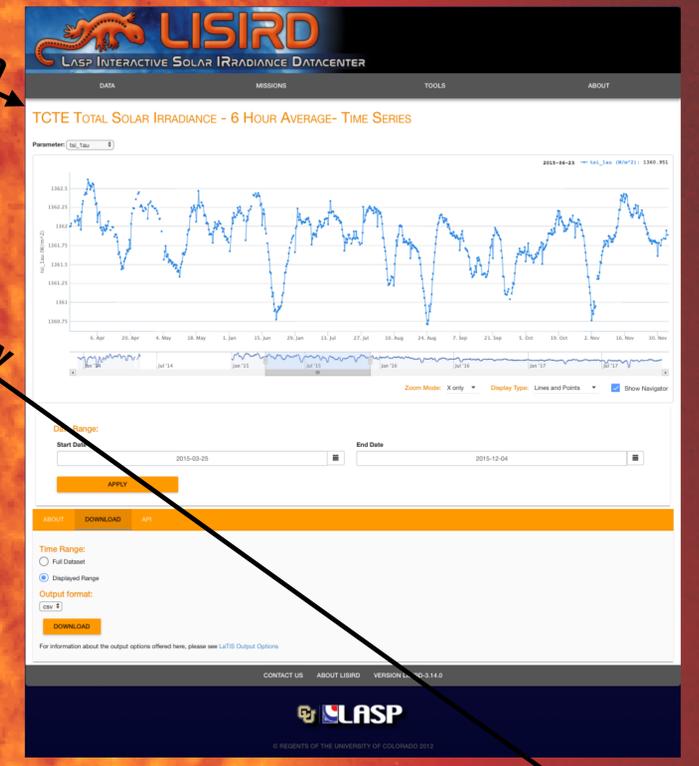
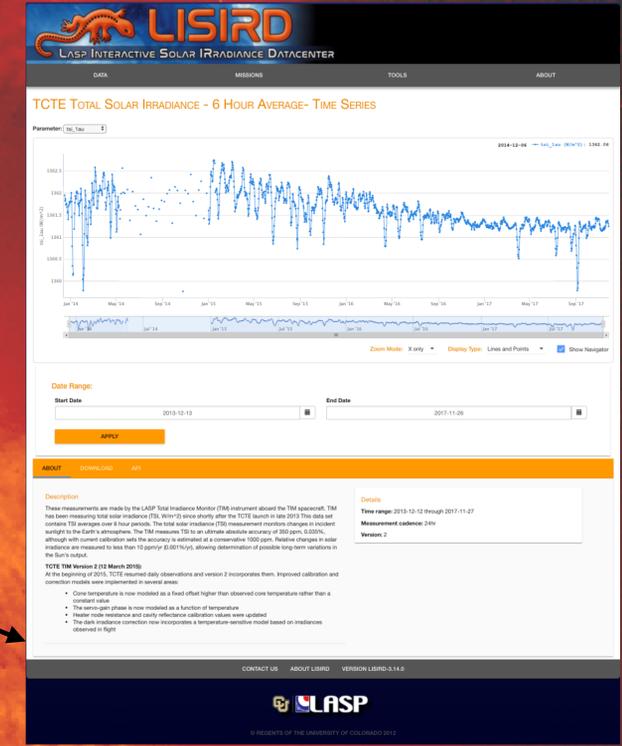
8 TSI datasets with time series views  
Improved plot interaction  
Selectable download times

46 datasets (and growing!) available through browse, search & filter UI

Easier to add new datasets




Name	Start Date	End Date	Datasets (#)	Parameters	Data Cadence	Wavelength Coverage (nm)
1976-11-20	1976-11-20	2015-01-01	CA V K-Line	K <sub>10</sub> W <sub>10</sub> , K <sub>10</sub> W <sub>10</sub>	24hr	
1978-11-06	1978-11-06	2013-07-15	Composite Magnesium II Core-to-Wing Index	Magnesium II Index (core to wing ratio)	24hr	280 - 280
1947-02-13	1947-02-13	2018-03-26	Composite Solar Lyman-alpha	Source of the data, time (YearDayYear.yyyy(EDT))	24hr	121.6 - 121.6
1974-01-02	1974-01-02	2018-03-27	Dobsonian Photographic Sunspot Data	Corrected Umbra Sum, Corrected White Sum	24hr	
1947-02-14	1947-02-14	2016-10-17	FSM Daily		24hr	
1982-01-02	1982-01-02	2016-10-13	FSM Flare		60s	
1610-01-01	1610-01-01	2016-01-01	Historical Total Solar Irradiance Reconstruction	Total Solar Irradiance (W/m <sup>2</sup> )	365 Days	
1918-01-01	1918-01-01	2018-03-20	International Sunspot Number - Daily	Sunspot Number (count), time (yyyy MM dd)	24hr	
1947-02-13	1947-02-13	2018-03-27	Lyman Alpha Model Solar Spectral Irradiance	Irradiance (W/m <sup>2</sup> nm), wavelength (nm)	24hr	121.427 - 121.707
2013-11-18	2013-11-18	2017-12-22	MAVEN ELY SV L1 Daily Averages	Irradiance (W/m <sup>2</sup> nm), Wavelength - MAVEN ELY	24hr	0.5 - 199.5
2016-06-09	2016-06-09	2017-04-18	MOXOS	Irradiance (photons/cm <sup>2</sup> nm <sup>2</sup> ), energy (eV)	24hr	
1882-01-01	1882-01-01	2016-12-31	NR2 SSI Daily Averages	wavelength (nm), irradiance (W/m <sup>2</sup> nm)	24hr	115 - 100000
1882-01-01	1882-01-01	2016-12-31	NR2 SSI Monthly Averages	Irradiance (W/m <sup>2</sup> nm), wavelength (nm)	30 Days	115 - 100000
1610-01-01	1610-01-01	2016-12-31	NR2 SSI Yearly Averages	Irradiance (W/m <sup>2</sup> nm), wavelength (nm)	365 Days	115 - 100000
1882-01-01	1882-01-01	2016-12-31	NR2 SSI Daily Averages	Irradiance (W/m <sup>2</sup> )	24hr	



The University of Colorado at Boulder's Laboratory for Atmospheric and Space Physics (LASP) has a long history of providing state of the art solar instrumentation and datasets to the community. In 2005, LASP created a web interface called LISIRD which provided plotting of and access to a number of Solar Irradiance measured and modeled datasets, and it has been used extensively by members of the community both within and outside of LASP. The tool provides views of Solar Spectral Irradiance (SSI), Total Solar Irradiance (TSI) Datasets, Models, etc. In September of 2017, the LASP Web Team released a new and improved version of LISIRD for use by anyone interested in viewing and downloading the datasets it serves. The new version (and two increments released since then) provide a much richer user experience and make it easier for LASP to operate the capability.

