

Portal to solar data, events, and search tools

HEK: Heliophysics Events Knowledgebase

HER: Heliophysics Events Registry

HCR: Heliophysics Coverage Registry



Sungate:

Access to solar data, events, and search tools at LMSAL.

lmsal.com

Dept. home
Science
Projects

The registries

N.B. The Heliophysics Event Registry (HER) contains information on (and, in many cases, images and movies of) ARs, flares, CHs, CMEs, events found by SolarSoft or annotators on events seen with SDO, Hinode, SoHO, and TRACE.

Sun/heliosphere: observations, data archives, current data, searches, ...

Observations

Sun/heliosphere: obs. events, event registry, recent events, ...

Solar events

Heli-informatics: project, software, tools, ...

Knowledgebase

Observatories and missions: home pages

Homes, archives

SunToday

Get AIA Data

Synoptic Data

JPEG2000

Images

Instrument coverage (HCR)

Find observations with Hinode SOT and XRT, TRACE and - soon - SDO. See [HCR user's guide](#).

Archives via VSO

Solar weather at LMSAL

jheliviewer

Visualization software for solar data based on JPEG2000.

iSolSearch

[Currently for Firefox or Safari]. Description at the [HEK portal](#); user tutorial: [QT](#) or [pdf](#); [system status](#).

Recently flagged solar events (HER)

View the most recent entries in HER.

Highest Rated Events

SolarSoft's "latest events"

[Archive](#) for earlier dates.

AR data base

Summary info on solar active regions.

STEREO/EUVI event list

HEK portal

HEK tools

Software to view and annotate solar events (plauncher, panorama, annotator), and to upload events into the Registry. Also see draft [HEK tools users guide](#), and draft [javadoc](#).

SSWIDL tools

SolarSoft IDL [ontology](#) tool set, with [SSW HEK API document](#).

HER API

This [API page](#) describes the SolarSoft Ontology package for creation of VOevents and for querying the HER. Web developers interesting in creating third party clients to HER should consult the [Web API page](#), which describes, with examples, the functioning of HER, including custom event queries, VOEvent submissions, commenting on entries, adding references, etc.

Hinode

[Hinode SOT archive](#);
[Hinode XRT archive](#).

IRIS

SDO

[AIA](#); [EVE](#); [HMI](#)
Looking for information on SDO, its data, analysis software, etc.: [search SDOdocs](#).

SOHO

[SOHO MDI archive](#).

TRACE

[TRACE archive](#).

STEREO/SECCHI