MAST
Users
Group
Meeting

January
14-15,
2016

Documentation and Website Redesign

Sarah Weissman & Scott Fleming

Goals

- Improve and update existing documentation

- Make information/documents easier to find

- Capture expert knowledge

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Website Inventory

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- What (and how much) is on the website?
- What is broken or out of date?
- What is missing?
- What is historical or unnecessary?

- 4 level Nutch crawl ignoring data files
- Data mining / hand classification
- Giant spreadsheet

Website breakdown

- 15 app
- 400 directories
- 571 documents (.doc, .xls, etc.)
- 3128 HTML pages
- 2675 images (.jpg, .tiff, etc.)
- 10 video

3 Types of content

- Basic – Mission descriptions, Data formats, High level instrument information

- Advanced – Detailed information on data analysis tasks, detailed instrument information

- Historical – Old mission websites, mission personnel photos, old newsletters and memos

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Basic vs. Advanced Documentation

- Quicker to find overview information
- Regular format that is easier to maintain and update

CADM

- Two level model of documentation
- Divided by mission
- Top level pages that give a summary of information that a typical user would want to know
- Intro page - Landing page, shows all missions

Photo

About

Detailed About

One paragraph summary of the mission. Left 1/3rd Wikipedia intro paragraph,
right 2/3 instrument summary table.

At A Glance

☒ Mission >

☒ Dates Active >

☒ Capabilities (Imaging, Spectra) >

☒ Operational Wavelengths >

Data Products

Detailed Data Products

Table summarizing the most important data products,
keep to less than a half dozen.

Tools and Interfaces

Detailed Tools

Table summarizing the most important ways to search for and retrieve data from
this mission, include a URL for each, keep to less than a half dozen.

Latest Updates

News Item 1

News Item 2

News Item 3

News Item 4

All Updates

Documents

Detailed Documents

Table containing the most important full documents (instrument handbook,
archive handbook, link to HTML handbook or wiki pages). Keep to less than a half dozen.

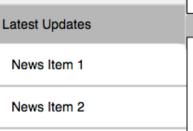## External Links

Table containing links to relevant external sites (mission pages, other documentation, tools, etc). The table can be customizable
(e.g., we can make it sorted by categories, etc).

MAST | STScI | Tools ▾ | Mission_Search ▾ | Search Website | f | ▾ Follow Us ▾

Kepler Home | Mission | Getting Started | Data Search | Target Search | Stellar16 | Stellar17 | CasJobs | FFI+ Search

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Kepler Data Search

FAQ

Kepler Science Center

Search & Retrieval ▸

Download Options

Data Products

Documentation ▸

Data Release Notes ▸

Data Reduction & Analysis

Related Sites ▸

Publications/News ▸

MAST Services

Images

Data Use Policy

Acknowledgments

As of April 13, the archive is now using the STScI Single Sign-On (SSO) identity manager. To check on your account click here. For more information about how accounts were transitioned click here.

Kepler Latest News

1/7/16 - Seven new exoplanets were added for Kepler and one new exoplanet for K2.

12/30/15 - The Kepler Eclipsing Binary Catalog from Villanova has been updated.

12/17/15 - Data Release Notes 25 now available.

11/24/15 - The Data Release 24 Short Cadence (SC) calibrated pixels and light curves for Q2—Q16 are excessively noisy. More information is available in an erratum to the Data Release 24 Notes. We encourage users of the SC data to wait until the DR25 SC data becomes available in the Summer of 2016.

11/11/15 - Search forms are now available for the Kepler KOI False Positive catalog and the KOI Positional Probabilities catalog from the Kepler False Positive Working Group. See the links on the main search forms for more information.

10/12/15 - The Kepler published planets table was updated to include recent table column changes made by NExScI.

10/7/15 - **DR25 Ingest Status** The table below will track the ingest status for the final reprocessing of Kepler data. The initial ingest is only for long cadence observations. Short cadence data (and FFIs) are expected next Summer.

Note that tar files downloaded through the MAST Portal will contain the older DR24 data until MAST receives **ALL** the DR25 long cadence data. If you want to retrieve version DR25 files from the Portal before then, you must manually select them from within the Portal's download basket. Consult the table below to determine which Quarters have version DR25 files available. (For tarfile status, Q implies the tar file of DR25 light curves (LC) for the specified quarter is online and accessible via ftp and http.)

	Through batch		lightcurve tarfile

Quick Links

- K2 mission page - Information on the K2 mission.

- Kepler Data Search - search for and retrieve Kepler Data.

- Kepler Target Search - find KIC targets on the Kepler CCDs with additional magnitudes and colors, and find non-KIC targets from additional sources.

- Kepler Objects of Interest (KOI) Catalog - Lists Kepler "targets of interest" and identifies potential planets, confirmed planets, and false positives.

- Kepler Eclipsing Binary Catalog - This tables, compiled by the team at Villanova, lists the known eclipsing binaries observed by

Missions

Hubble
Hubble Legacy Archive
HSTonline
DSS
JWST
K2
KEPLER
SwiftUVOT
XMM-OM
BEFS (ORFEUS)
Copernicus
EPOCH
EUVE
FUSE
GALEX
GSC
HPOL
HUT
IMAPS (ORFEUS)
IUE
TUES (ORFEUS)
UIT
VLA-FIRST
WUPPE

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MAST | STScI | Tools ▾ | Mission_Search ▾ | Search Website | Follow Us ▾

Kepler Home | Mission | Getting Started | Data Search | Target Search | Stellar16 | Stellar17 | CasJobs | FFI+ Search

Kepler Data Search

[search box]

FAQ

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News

December 07, 2015:
Big Portal Updates Over the Past Year

December 03, 2015:
K2 Guest Observer Cycle 4 Program Announced

December 02, 2015:
Searching on K2 IDs

December 01, 2015:
K2 Campaign 0 Supplementary Information

October 15, 2015:
HLSP Update: Campaign 4 light curves for K2SFF

RSS 2.0

Missions

Hubble
Hubble Legacy Archive
HSTonline
DSS
JWST
K2
KEPLER
SwiftUVOT
XMM-OM
BEFS (ORFEUS)
Copernicus
EPOCH
EUVE
FUSE
GALEX
GSC
HPOL
HUT
IMAPS (ORFEUS)
IUE
TUES (ORFEUS)
UIT
VLA-FIRST
WUPPE

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Search & Retrieval ▶	Search & Retrieval page
Download Options	Data Search
Data Products	Target Search
Documentation ▶	Stellar Q1-Q17 Search
Data Release Notes ▶	FFI Display
Data Reduction & Analysis	KIC Search
	Casjobs SQL
Related Sites ▶	Download Options
Publications/News ▶	Retrievals by Dataset
MAST Services	Confirmed Planets
Images	KOIs
Data Use Policy	KOI False Positives
Acknowledgments	KOI APP
	Eclipsing Binary Catalog
	Red Giants
	Ancillary Files
	High Level Science Products

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Kepler

At A Glance

Dates Active:	07 March 2009 - 11 May 2013
Capabilities:	Photometry (time series)
Passbands:	Optical (broadband)
Resolution:	3.98 arcsec/pixel

Latest Updates

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October 15, 2015:
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All Updates

About

Detailed About

Kepler was a space-based telescope whose primary mission was to determine the number of habitable exoplanets orbiting Sun-like stars. The telescope detected planets using the transit method by achieving a very high relative photometric precision using a broadband optical filter. It stared at a single region of the sky near the constellation Cygnus for four years until the loss of its second reaction wheel...more.

Instrument	Bandpass	Resolution	Filters/Grisms
Photometer	400-900 nm.	3.98"/pix	Kepler

Data Products

Detailed Data Products

Product	Description	Read Scripts
*slc.fits, *llc.fits	Extracted light curves.	Python IDL
*spd-targ.fits.gz, *lpd-targ.fits.gz	Target pixel files (postage stamps for each target).	Python IDL
*ffi-cal.fits	Full-frame images.	Python IDL

Tools and Interfaces

Detailed Tools and Interfaces

Interface	Description	URL
Portal	Search all of MAST and VO, plotter, cross-match.	mast.stsci.edu
Web Form	Single target, upload targets, search on metadata.	archive.stsci.edu/kepler/data_search/search.php
CasJobs	Web-based SQL search.	http://mastweb.stsci.edu/kplrcasjobs/

Documents

Detailed Documents

Document	Description
MAST Archive Manual	How to search and retrieve Kepler data at MAST (pdf).
Kepler Instrument Handbook	All about the Kepler instrument and data (pdf).

External Links

NASA Kepler Page	http://kepler.nasa.gov
Kepler Science Center	http://keplerscience.arc.nasa.gov
NExScI	http://nexsci.caltech.edu

Historical Content

- 571 documents – ~450 historical
- 3128 HTML pages – ~2000 historical
- 2675 images – ~2000 historical

- Old internal docs (reports, newsletters …)
- Retired websites from old missions

Managing historical assets

- Inventory
  - Know what we have
- Organize
  - Find what we have
- Preserve
  - Keep what we have
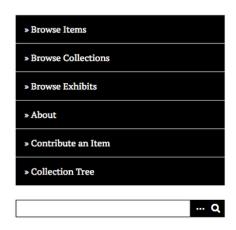- Make available
  - Share what we have

Omeka

- "Omeka is a free, flexible, and open source web-publishing platform for the display of library, museum, archives, and scholarly collections and exhibitions." (omeka.org)
- Fits into our technology stack.

Managing historical assets

- Inventory
  - Admin interface tracks files by types
- Organize
  - Collections/subcollections, Metadata
- Preserve

- Make available
  - End user interface for viewing collections/exhibitions

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» Browse Items

» Browse Collections

» Browse Exhibits

» About

» Contribute an Item

» Collection Tree

Featured Item

The FUSE Observer's Guide Version 8

Featured Collection

EUVE Newsletters

The EUVE Electronic Newsletter was published quarterly by the EUVE Science Archive group and contained information on a variety of mission-related...

Featured Exhibit

Omeka examples

   Some examples of how to use Omeka.

Recently Added Items

[Untitled]

MA-01 Monthly Status Report Issued: May 15, 2009 Reporting Period: Apr, 2009

MA-01 Monthly Status Report Issued: Mar 15, 2009 Reporting Period: Feb, 2009

   View All Items

Ongoing work

- Templating Level 1 CADM pages
  - Jahia (Java CMS)
  - Missions and possibly HLSPs
- Updating documentation
  - Rewrites of some docs
  - Mission parameters database update
- Omeka pilot
  - Developing workflow along with STScI library digitization project
  - Customizing Omeka GUI and developing import tool

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