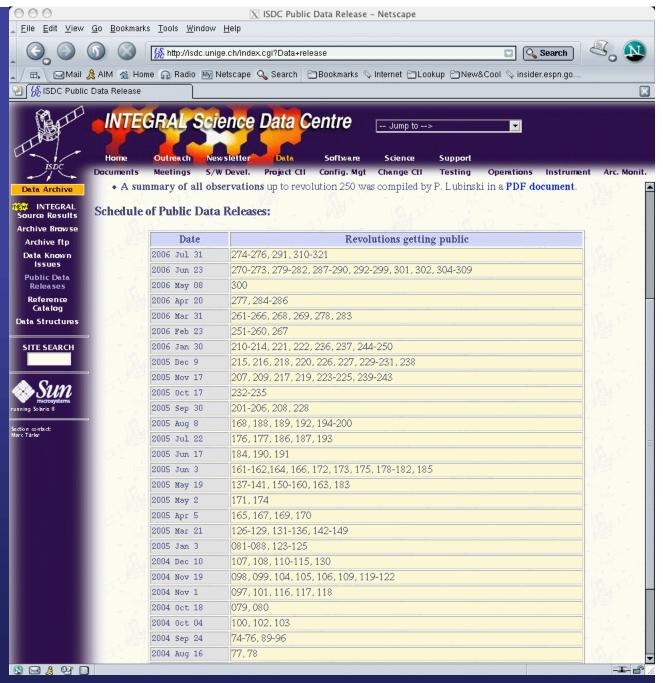
The US INTEGRAL Public Data Archive

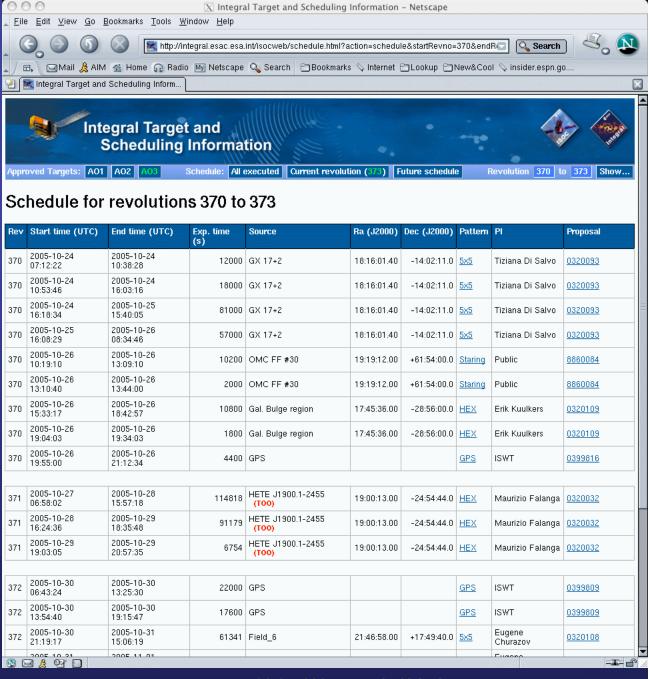
Public Data Archive Status

- The ISDC INTEGRAL Public Data Archive opened in July 2004.
- The US INTEGRAL Public Data Archive at the HEASARC opened September 2004.
- New public data is available to the community within a few days of its release from the ISDC.
- All public data through the latest release (10-17-05) is currently available from the HEASARC archive.
- Public data releases occur ~monthly with the next release scheduled for 11-17-05.
- The public data release schedule is available on the ISDC website.

ISDC Website: http://isdc.unige.ch/

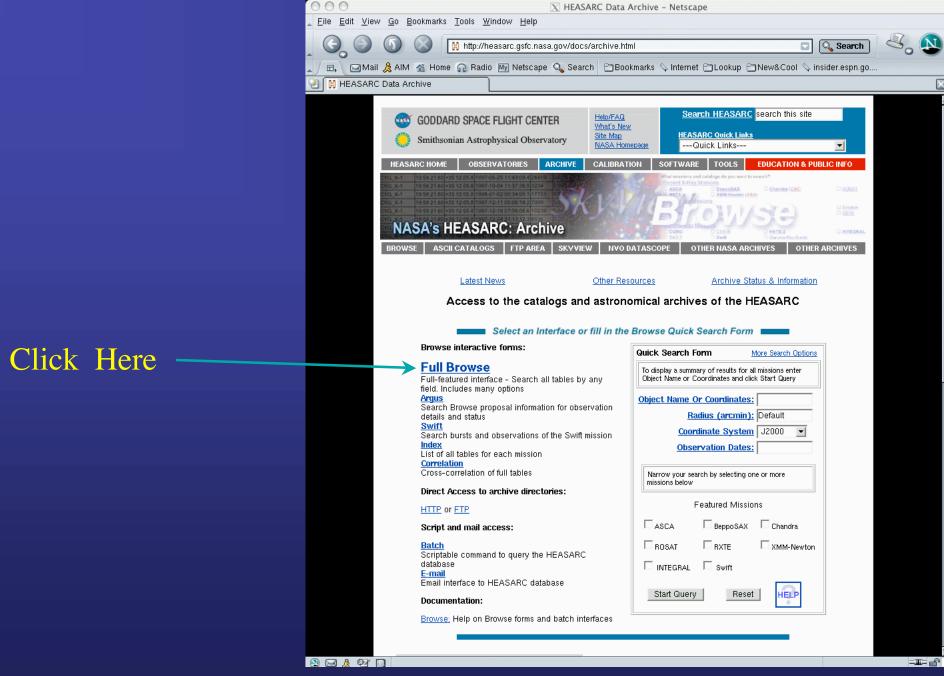


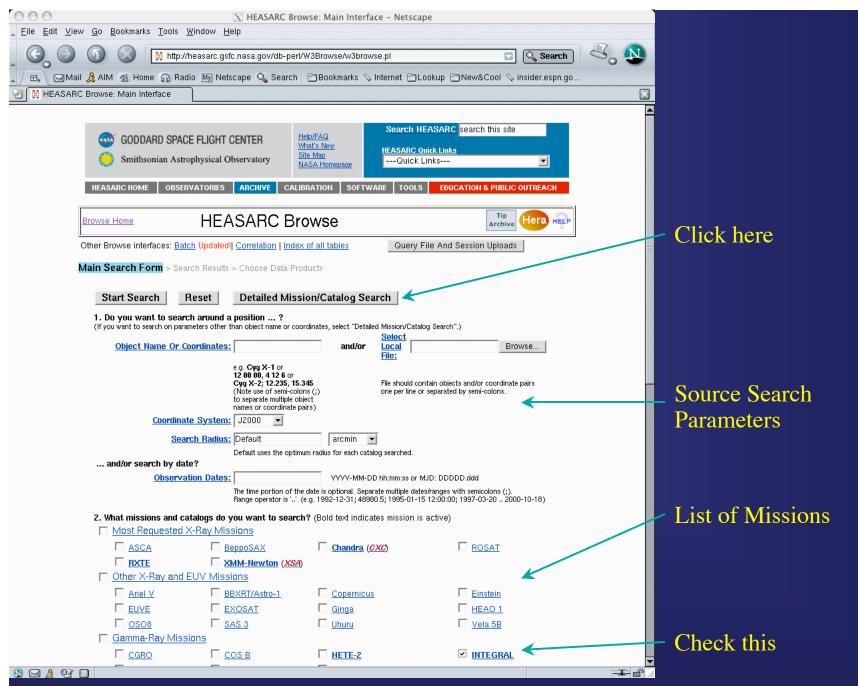
- The ISOC website contains detailed information on past and future observations.
- This is useful in planning future proposals as well as utilizing the public data archive
- integral.esac.esa.int/isoc/



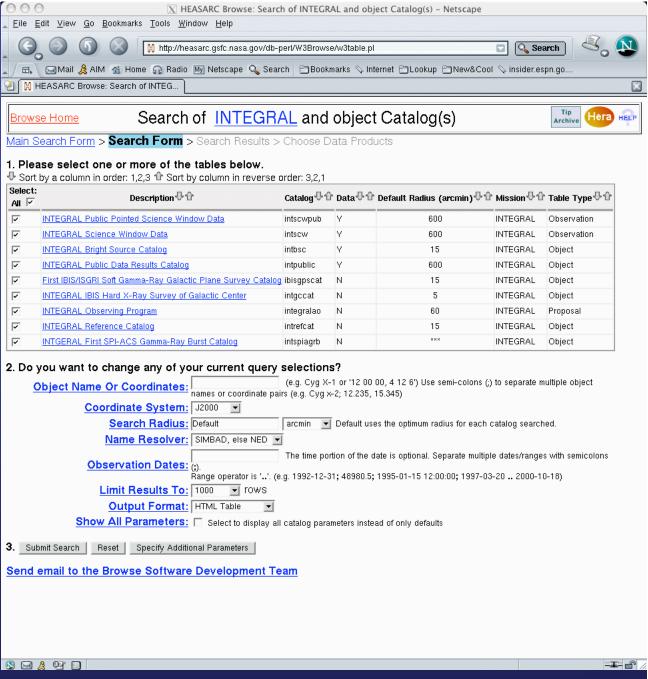
Accessing the US INTEGRAL Public Data Archive

- The US INTEGRAL Public Data Archive is accessible from the HEASARC via Browse or FTP.
- Retrieving the data directly via Browse is complicated by the large size of the typical observation, 3 days of data = 7-8 GB.
- The HEASARC limit for a tar file is ~3.5 GB ==> the preferred download method is via a wget script created by Browse.
- A detailed description of all the INTEGRAL catalogs available through Browse as well as a detailed cookbook describing the downloading of data and the setting up of a local data repository are available on the GOF website: http://heasarc.gsfc.nasa.gov/docs/integral/inthp_archive.html





List of all searchable catalogs for INTEGRAL



INTEGRAL Science Window Data

INTEGRAL Science Window Data Catalog:

A catalog containing a list of all INTEGRAL science windows (SCWs). This table can be searched using many observation parameters including source name, source position, good time, and observation date.

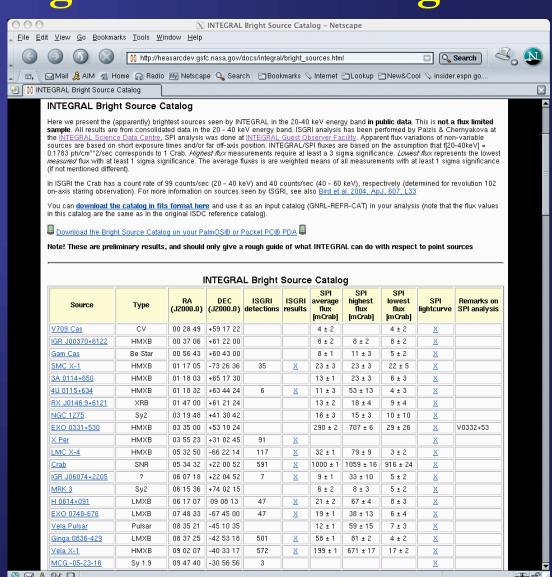
INTEGRAL Public Pointed Science Window Data Catalog:

A catalog containing a list of all public INTEGRAL science windows (SCWs) of type "pointing" in which the good time of at least one of the instruments is greater than 0. Thus this table does not contain slew or engineering SCWs or SCWs where no good data were acquired. Like the INTEGRAL Science Window Data Catalog, this table can also be searched using many observation parameters including source name, source position, good time, and observation date.

These catalogs are useful for retrieving low-level SCW data products.

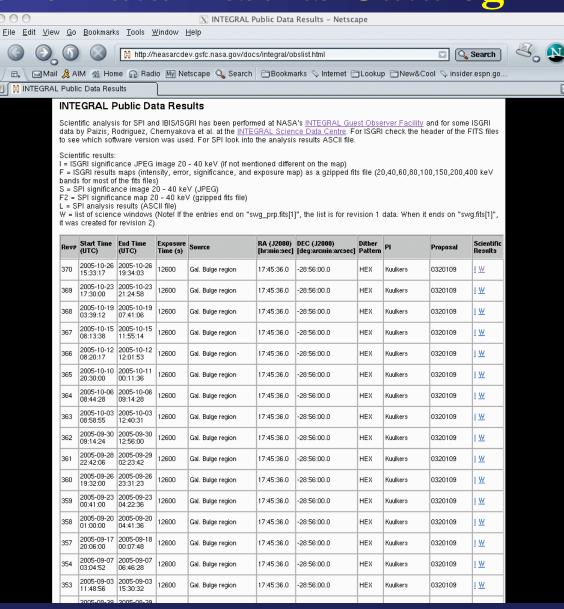
INTEGRAL Bright Source Catalog

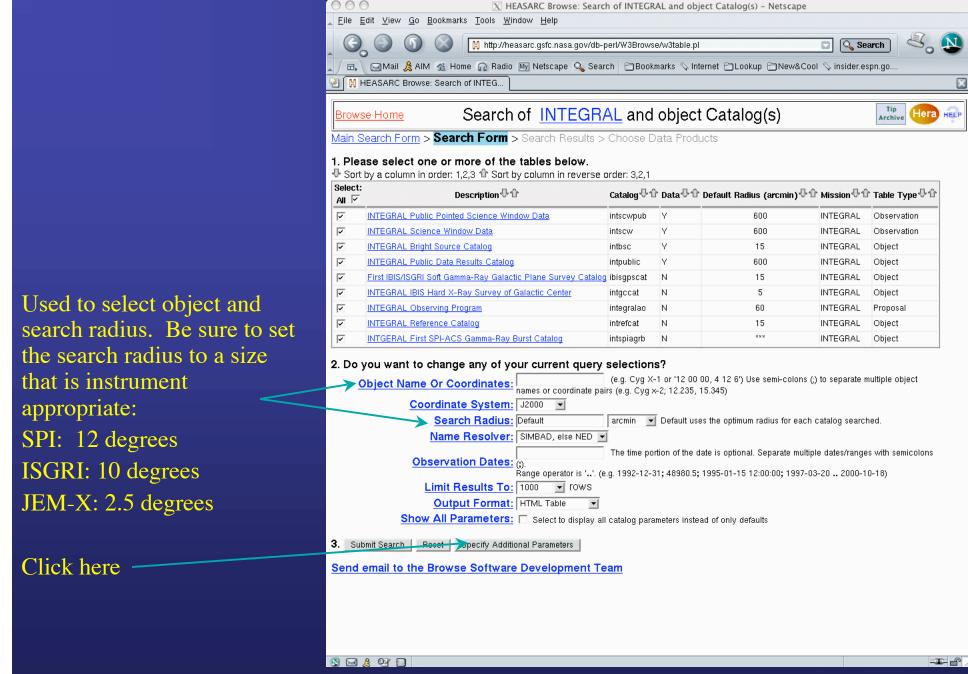
- A source catalog of bright sources based on the all public data.
- The catalog can be searched by source name, source position, source type, or observed SPI flux.
- ISGRI and SPI lightcurves can be retrieved for the selected sources.
- The measurements included in the catalog are intended to serve as a guideline to users of the INTEGRAL database, and should generally not be used directly in published materials.



INTEGRAL Public Data Results Catalog

- A catalog containing SPI and IBIS imaging analysis results which are given per observation or revolution.
- The catalog can be searched by revolution number, source name, source position, observation date, exposure time, and PI name.SPI and ISGRI imaging results can be retrieved.
- It is useful to specify a large search radius when searching this catalog due to the inclusion of Galactic Plane Scan (GPS) and Galactic Center Deep Exposure (GCDE) data.
- This catalog can also be used to retrieve low-level SCW data products.



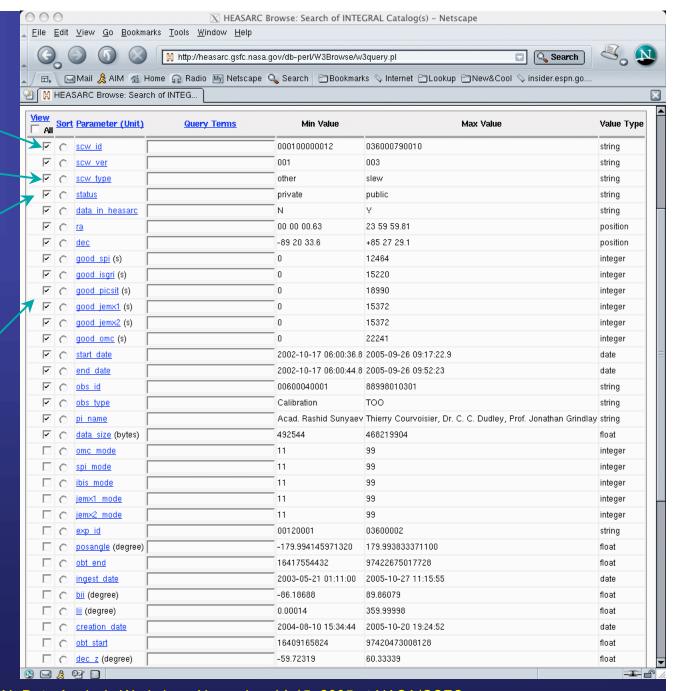


Select "sort" to order list by SCW = time

Set to "pointing" to eliminate slew and engineering data

Set to "public" for only public data in list

Set to ">200" for instrument of interest to eliminate short/unstable pointings



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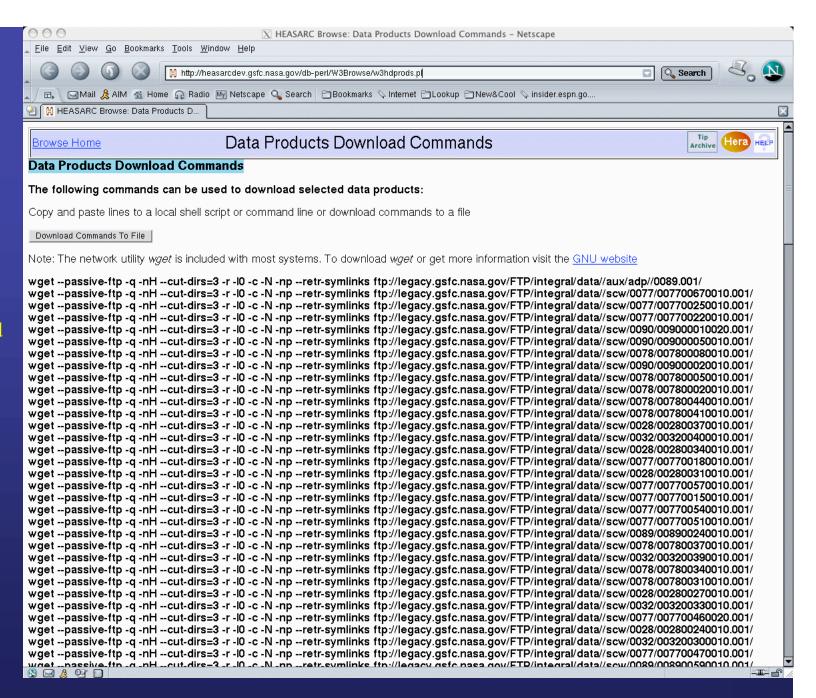
🗎 http://heasarcdev.gsfc.nasa.gov/db-perl/W3Browse/w3query.pl Q Search 🖃, 🖂 Mail 🔏 AIM 🔏 Home 🞧 Radio 🌆 Netscape 🔍 Search 📑 Bookmarks 🛇 Internet 🛅 Lookup 🛅 New&Cool 🛇 insider.espn.go. 🄰 [🗎 HEASARC Browse: Query Results RASS X-ray image, 75.0 Images centered on requested position Browse Tip: Do you know how to plot Browse results? Learn more on this topic or See all tips Table Name and Row Count INTEGRAL Science Window Data (intscw) 163 Table Legend: Display all parameters for a row Services links: O: Digitized Sky Survey image, R: ROSAT All-Sky Survey image, N: NED objects near coordinates, S: SIMBAD objects near coordinates, D. get list of data products, X. analyze data products using Hera, B. ADS bibliography holdings, Scroll down below tables to select Data Products and Further Actions. INTEGRAL Science Window Data (intscw) Search radius used: 600.00 TORNSDX 009000110010 001 pointing public Y 12 34 54,99 +01 07 00.1 3417 3408 3389 0 List of SCWs meeting 3406 3392 2003-07-10 05:23:41.1 2003-0 ORNSDX 009000120010 001 pointing public Y 12 42 54.83 +01 07 11.2 3406 3396 3382 0 ♠ □ O R N S D X 009000130010 001 pointing public Y 12 42 55.99 +03 07 16.3 3380 3372 3358 0 3380 | 3380 | 2003-07-10 06:22:42.1 | 2003-01 selection criteria. Select 163 rows retrieved from intscw SCWs to retrieve. Are you interested in data products? Further Actions: Select the checkboxes for the rows of interest above, Do you want to Plot your intscw results? (help) 2. un-check any data products you are not interested in: Do you want to Cross-correlate your intscw results with another catalog or table? Data Products available for intscw Do you want to Display all the columns for the rows selected above? Data products to download. Auxiliary Reference Data (aux ref) Do you want to query other services for the rows selected? (help) Auxiliary Revolution Data (aux rev) Choose "All." Services: 🗹 Science Window and Revolution Data (data) NED. SIMBAD 3. optionally, add a file name constraint to specify product types, e.g., */hri/*.gif SkyView:ROSAT All-Sky Use a semicolon (;) for multiple contraints, e.g., "fits"; "gif SkýView:DSS CoCo File name filter Click on "Create Download then click a button below. Script." Create Download Script | for data products for selected rows Preview and Retrieve data products for selected rows data products for selected rows data products for selected rows

File Edit View Go Bookmarks Tools Window Help

X HEASARC Browse: Query Results - Netscape

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- List of wget's
- Not in SCW order
- Cut and paste into a local shell script
- Creates aux and scw directories of data repository
- The ic, idx, and cat data can be downloaded using a shell script on the INTEGRAL GOF website.



Finishing Up

- The 2 shell scripts will create the scw, aux, ic, cat, and idx data directories.
- Detailed instructions for downloading data and setting up your data repository are included in a data download cookbook on our website:
 - http://heasarc.gsfc.nasa.gov/docs/integral/inthp_archive_cookbook.html
- Included in this cookbook is a script for converting the scw download script into an ASCII list suitable for use with og_create.