

Virtual Observatory and INTEGRAL Data

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Virtual Observatory

What does Virtual Observatory?

- defines interfaces
 - to access various data resources
 - images
 - spectra
 - light curves
 - to use various computing resources
 - GRID access
 - disk space access

Virtual Observatory

- .. defines interfaces
 - to distribute various informations
 - changes on the sky
 - supernovas
 - novas
 - GRBs
 - ...

Virtual Observatory and INTEGRAL Data

Goals:

- better access to processed data
- standard interface to processed data, so not only humans, but also computer programs can access them

INTEGRAL Source Result pages

- quick overview to INTEGRAL observed and processed sources
- <http://isdc.unige.ch>, Data, INTEGRAL Source Results

INTEGRAL Source Results pages

ISDC : INTEGRAL Source Results

Light Curves for: GX 354-0

Spectrum for: GX 354-0

LIGHT CURVES FOR: GX 354-0

[Source list](#)

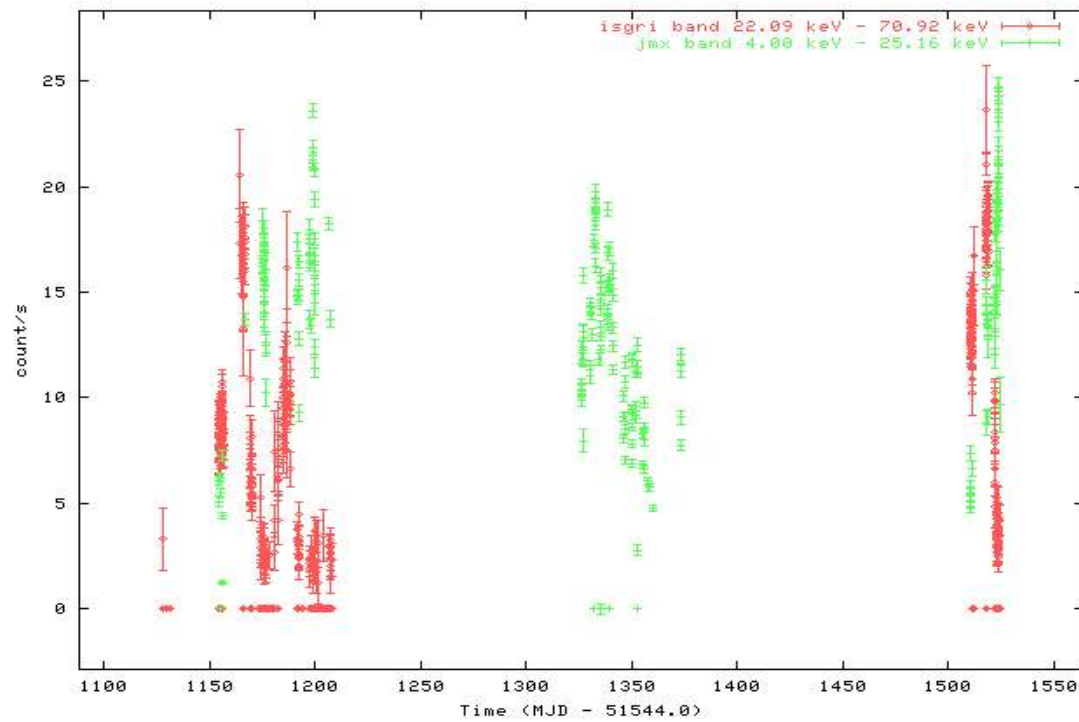
[Light curve](#)

[Images - ISGRI](#)

[Images - JEMX](#)

[Spectra - ISGRI](#)

[Download](#)



For zooming in light curve graph, please click mouse button and drag it.

X Range: 1088.01402 to 1564.41158

Y Range: -2.89166 to 28.34437

[Full range](#)

INTEGRAL Catalog in Aladin

The screenshot displays the Aladin v3.0 multiview interface. The main window shows a grayscale image of a star field with a red crosshair centered on a star. The interface includes a menu bar with options: Load..., Save..., Tools..., Print..., Help..., and Quit. Below the menu bar, the Position is set to J2000 and the Pixel size is full (47.0). The main image area is labeled PI-AAO.R.DSS2.219-PLATE and has a size of 6.73° x 6.72°. A toolbar on the right contains icons for selection, distance measurement, drawing, tagging, text, filtering, color selection, blinking, sampling, contouring, zooming, magnification, history, properties, and deletion. A panel on the right shows the eye icon for NGC 4945 and a zoomed-in view of the star with labels ISDC 196.3 and PI-AAO.R.D. The zoom level is 1/2x. The status bar at the bottom provides the following data: J130526.1-492815 | NGC 4945 | -25668 | 196.35875 | -49.470833 | 2.8E-4 | T | F | T | F | 1RCS | J130528.0-492758, IRAS. The footer indicates the software is provided by CDS Aladin image server and is copyrighted by ULP/CNRS - Centre de Données astronomiques de Strasbourg, with 2 planes, 1 view, and 4Mb of data.

Aladin v3.0 multiview

ALADIN

Load... Save... Tools... Print... Help... Quit

Position J2000 Pixel full 47.0

PI-AAO.R.DSS2.219-PLATE

selec dist draw tag text filter rgb blink rsamp cont zoom mglss hist prop del

NGC 4945

ISDC 196.3

PI-AAO.R.D

6.73° x 6.72°

6.46° x 6.46°

PI-AAO.R.DSS2.219-PLATE - Provided by CDS Aladin image server

multiview Zoom 1/2x

J130526.1-492815 | NGC 4945 | -25668 | 196.35875 | -49.470833 | 2.8E-4 | T | F | T | F | 1RCS | J130528.0-492758, IRAS

©1999-2005 ULP/CNRS - Centre de Données astronomiques de Strasbourg 2 planes, 1 view, 4Mb

What next?

- mission log access
- images access – mosaics, ...
- spectra access
- event files access? (there is no interface for event files yet)

More on Virtual Observatory

International Virtual Observatory Alliance

<http://www.ivoa.net>

INTEGRAL VO pages

<http://isdc.unige.ch>, S/W Devel., VO