

Other CDS services

CDS Portal

A single entry point to search and access the different CDS services.

The CDS Portal facilitates the workflow between the services and your data with “MyCDS”.

<http://cdsportal.unistra.fr/>

X-Match

A powerful cross-match service to merge by position sources from large catalogues, SIMBAD, or your own data.

<http://cdsxmatch.unistra.fr/xmatch>

Python

Integrate CDS services and tools in your Python workflows and notebooks, using our libraries :

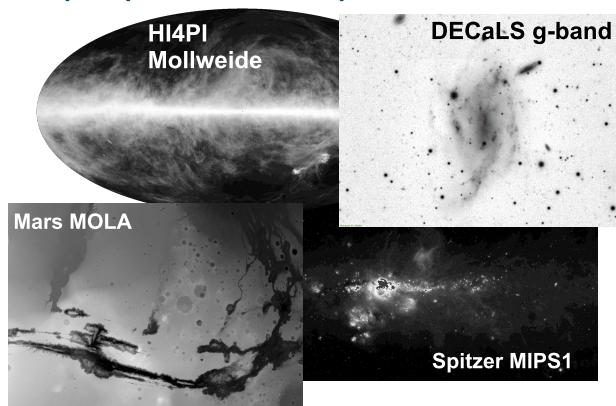
[astroquery.cds](#), [cdshealpix](#), [mocpy](#), [ipyaladin](#)

hips2fits

Fast generation of FITS cutouts of arbitrary size and resolution from HiPS datasets, in various projections.

<http://alasky.unistra.fr/hips-image-services/hips2fits>

Examples produced with hips2fits



CDS and you

Registering to create your own MyCDS login is easy and free. You'll get instant access to:

- writing annotations on SIMBAD objects or VizieR catalogues
- better use of our X-Match service
- expanded personal storage space
- SimWatch, a service to monitor new references citing your favourite astronomical objects

Publish your data at CDS

You can upload your data for publication into VizieR by FTP or via a web tool. Complete your data with the appropriate description following our instructions.

The VizieR pipeline accepts:

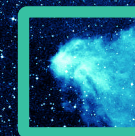
- tabular data
- images
- spectra or time series (in FITS format)

<http://cdsarc.unistra.fr/vizier.submit/>



STRASBOURG ASTRONOMICAL DATA CENTER

CENTRE DE
DONNÉES ASTRONOMIQUES DE
STRASBOURG



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SIMBAD provides basic data, identifiers, measurements and bibliography for astronomical objects outside the solar system.

VizieR provides the most complete library of published astronomical catalogues (tables and associated data) with verified and enriched data, accessible via multiple interfaces.

The **Aladin** sky atlas suite allows to visualize digitized astronomical images, and to superimpose data from many catalogues or databases.

More than 10 million objects

SIMBAD is constantly updated by the CDS team with new links between **object identifiers**, published data and **bibliographical references**.

<http://simbad.unistra.fr/>

Basic data : SH 2-87 -- HII (ionized) region with radius arcmin

Other object types: Rad (B2, BME, F3R, G66, 87GB, GRS, MITG, NVSS, WRTGP, CPA2602), TGC961), HII (LBN, SH), IR (IRAS, RAFGL), ISM (TP12)

ICRS coord. (ep=J2000) : 19 40 39.99 +24 35 14.0 (-) [600 600 90] D
 1998A...115.1693C

Gal coord. (ep=J2000) : 060.8820 -00.1332 (-) [600 600 90] D
 1998A...115.1693C

Radial velocity / Redshift / cz : V(km/s) 21.7 [-] / z(-) 0.000072 [-] / cz 21.70 [-]
 (-) D 1998A...115...818

Interactive Aladin Lite view
 19 40 39.93 +24 32 53.39
 FOV: 10.61"

2MASS DBS IRAC

Sesame Name Resolver

Resolve an object name to its position using SIMBAD, VizieR and NED.

<http://cds.unistra.fr/cgi-bin/Sesame>

SIMBAD on your mobile devices

Simple and easy access

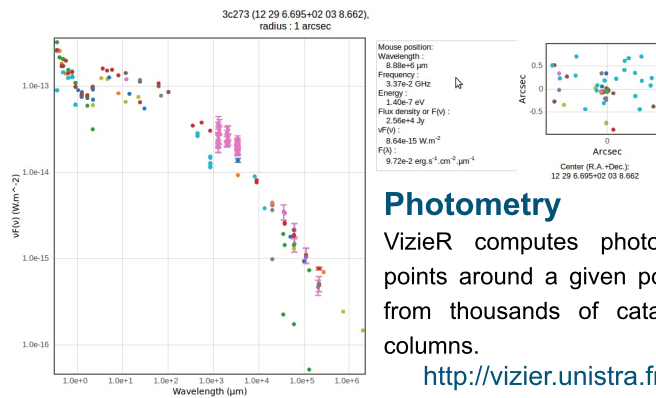


19,000 catalogues available (as of Dec. 2019)

- Data from refereed astronomical journals
- Large surveys : Gaia, AllWISE, 2MASS, SDSS, Pan-STARRS, UCAC, Kepler, UKIDSS, GALEX, etc.
- Observations logs : HST, ESO, XMM, Chandra, etc.

How to access the data ?

- **Simple search** through keywords <http://vizier.unistra.fr/>
- **Advanced search** through ADQL queries <http://tapvizier.u-strasbg.fr/adql/>
- Through the **Virtual Observatory (VO)** and all its interoperable tools (TOPCAT, ...)
- Search **associated data** (images, spectra) <http://cdsarc.unistra.fr/assocdata/>



Photometry

VizieR computes photometry points around a given position from thousands of catalogue columns.

<http://vizier.unistra.fr/sed/>

Aladin Lite

Easy image visualization in your browser. Fully customizable with JavaScript API.

<http://aladin.unistra.fr/AladinLite/>



HiPS and MOCs

More than 700 **HiPS (Hierarchical Progressive Surveys)** sky surveys and planetary maps and their associated **MOCs (Multi Order Coverage map)** are available: create your own ones and share them!

<http://aladin.unistra.fr/hips/>

Aladin Desktop

Access and manipulate 20,000+ VO data collections: images (**FITS**, **HiPS**), catalogues, and services.

