

Basic tutorial



The VizieR service contains:
> 8900 catalogues, published tables,
and observation logs
This tutorial shows basic query
examples
using the webpage interface

<http://vizier.u-strasbg.fr>

The simplified VizieR search interface

VizieR - Google Chrome


http://vizier.u-strasbg.fr/

CDS CENTRE DE DONNÉES ASTRONOMIQUES DE STRASBOURG

Simbad VizieR Aladin Catalogs Dictionary Biblio Tutorials Resources

The VizieR Catalogue Service


The basic VizieR search at
[Strasbourg Astronomical Observatory](#)

 any Catalog catalogues,authors... Target: Radius: 10 " Search

[Install the VizieR search plugin](#) e.g. [UCAC2,2MASS](#) or [Jaschek](#) e.g. [CH Cyg](#) or [19 24 33.1 +50 14 29](#) [Advanced search](#)

[Description](#) - [Browsing modes](#) - [Large Surveys](#) - [VO compatibility](#) - [VizieR mirrors](#) - [Help/Documentations](#) - [Notes](#)

If the access to catalogues with VizieR was helpful for your research work, the following acknowledgment would be appreciated: "This research has made use of the VizieR catalogue access tool, CDS, Strasbourg, France". The original description of the VizieR service was published in [A&AS 143, 23 \(2000\)](#).

©UDS/CNRS Contact: 

The full VizieR search interface

The screenshot displays the VizieR web interface. At the top, a navigation bar includes logos for CDS (Centre de Données Astronomiques de Strasbourg), Simbad, VizieR, Aladin, Catalogs, Dictionary, Biblio, Tutorials, and Resources. The main content area is titled "VizieR Service" and features a search section with the heading "Find catalogs among 8474 available". This section includes a search input field with a "Clear" button and a "Find..." button, an "Expand search" checkbox, and a list of search criteria categorized by Wavelength, Mission, and Astronomy. Below this is a "Search by Position across 8764 tables" section with a "Target Name" field, a "Position" field set to "J2000", a "Target dimension" field set to "2 arcmin", and a "Go!" button. A "Find Catalogs" button is also present. The interface includes a left sidebar with "Search Criteria", "Preferences" (max: 50, HTML Table, All columns, Compute), and "Mirrors" (CDS, France). At the bottom, there is a footer with "©UDS/CNRS Contact: ✉" and a status bar showing "elapse time 0".

Search Criteria

Preferences

- max: 50
- HTML Table
- All columns
- Compute

Mirrors

- CDS, France

Find catalogs among 8474 available

Clear Find...

Expand search

Wavelength

- Radio
- IR
- optical
- UV
- EUV
- X-ray
- Gamma-ray

Mission

- AKARI
- ANS
- ASCA
- BeppoSAX
- CGRO
- Chandra
- COBE

Astronomy

- Abundances
- Ages
- AGN
- Associations
- Atomic_Data
- Binaries:cataclysmic
- Binaries:eclipsing

Search by Position across 8764 tables

Target Name (resolved by [Sesame](#)) or Position: Clear J2000

Target dimension: 2 arcmin Go!

Radius Box size

[More about VizieR](#) ~ 1 matching catalogs Find Catalogs

Browsing modes: [Designation](#), [Acronyms](#), [Favorites](#), [Dates](#), [Image.spectra](#), [Kohonen](#)
Or list [the large surveys](#)

elapse time 0

©UDS/CNRS Contact: ✉

DIRECT ACCESS TO CATALOGUES

Select a catalogue name

The screenshot shows the VizieR Service web interface. At the top, there are navigation icons for Simbad, VizieR, Aladin, Catalogs, Dictionary, Biblio, and Tutorials. The main search area is titled "Find catalogs among 8474 available". It features a search input field containing "Hipparcos" and a "Find..." button. Below the search field, there are several filter sections: "Wavelength" with a dropdown menu showing "optical", "UV", "EUV", "X-ray", and "Gamma-ray"; "Mission" with a dropdown menu showing "AKARI", "ANS", "ASCA", "BeppoSAX", "CGRO", "Chandra", and "COBE"; and "Abundances" with a dropdown menu showing "Ages", "AGN", "Associations", "Atomic_Data", "Binaries:cataclysmic", and "Binaries:eclipsing". There is also a "Search by Position across 8764 tables" section with a "Target Name" field, a "Target dimension" field set to "2 arcmin", and a "Go!" button. A "Find Catalogs" button is located at the bottom right of the search area. A yellow callout bubble points to the "Find..." button with the text "Select a catalogue name". Another yellow callout bubble points to the "Expand search" checkbox with the text "(optionnal) get all related catalogs". A third yellow callout bubble points to the "Find Catalogs" button with the text "... and launch a query".

(optionnal) get all related catalogs

Browsing modes: [Designation](#), [Acronyms](#), [Favorites](#), [Dates](#), [Images](#), [spectra](#), [Kohonen](#)
Or list [the large surveys](#)

... and launch a query

Relevant catalogues and tables

The screenshot shows the VizieR Catalog Selection Page in Google Chrome. The browser address bar shows the URL <http://vizier.u-strasbg.fr/viz-bin/VizieR-2>. The page header includes navigation links for VizieR local, VizieR Service, Server monitoring, and IP checking, along with a search bar and a list of favorites.

The main navigation bar contains logos for CDS (Centre de Données Astronomiques de Strasbourg), Simbad, VizieR, Aladin, Catalogs, Dictionary, Biblio, Tutorials, and Resources.

The page title is "Catalog Selection Page". Below the title, there is a "show obsolete" link and a warning message: "List of catalogs truncated to 100". A button "Get the Full List of 265 matching catalogs (containing 6 obsolete)" is available.

The search criteria are:

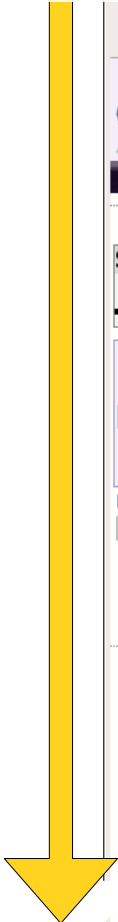
- Keywords: Hipparcos
- Preferences: max: 50, HTML Table, All columns, Compute
- Mirrors: CDS, France

The main content area displays a list of catalogues with the following columns:

- Reset All
- Show selected Catalogs
- or
- Query selected Catalogs

 The list includes:

- Hipparcos Input Catalogue, Version 2 (Turon+ 1993) - 150k entries - [ReadMe+ftp](#)
- Tycho Input Catalogue, Revised version (Egret+ 1992) - 3M entries - [ReadMe+ftp](#)
- Catalogue of 2700 double stars (Couteau, 1995) - 14k entries - [ReadMe+ftp](#)
- Southern Hemisphere Catalogue of Bordeaux (Rousseau+ 1996) - 118k entries - [ReadMe+ftp](#)
- The Hipparcos and Tycho Catalogues (ESA 1997) - 1M entries - [timeSerie](#) [ReadMe+ftp](#)
- Pulkovo Photographic Vertical Circle (PVC96) (Gontcharov+ 1998) - 760 entries - [ReadMe+ftp](#)
- The ACT Reference Catalog (Urban+ 1997) - 988k entries - [ReadMe+ftp](#)
- The Tycho Reference Catalogue (Hog+ 1998) - 990k entries - [ReadMe+ftp](#)
- VLBI International Celestial Reference Frame (ICRF) (Ma+, 1997) - 861 entries - [ReadMe+ftp](#)



The screenshot shows the VizieR Catalog Selection Page. The browser address bar is `http://vizier.u-strasbg.fr/viz-bin/VizieR-2`. The page title is "Catalog Selection Page".

Navigation icons include: CDS (Centre de Données Astronomiques de Strasbourg), Simbad, VizieR, Aladin, Catalogs, Dictionary, Biblio, Tutorials, and Resources.

Search Criteria: **Keywords** (Hipparcos). Preferences: max: 50, HTML Table, All columns, Compute. Mirrors: CDS, France.

Warning: **List of catalogs truncated to 100**. Get the Full List of 265 matching catalogs (containing 6 obsolete).

Buttons: Reset All, Show selected Catalogs, or, Query selected Catalogs.

Check	Code	Columns	Size	Description	Actions	Thumbnail
<input type="checkbox"/>	I/196	Opt V X Y	150k	Hipparcos Input Catalogue, Version 2 (Turon+ 1993)	ReadMe+ftp	
<input type="checkbox"/>	I/197A	Opt V X Y	3M	Tycho Input Catalogue, Revised version (Egret+ 1992)	ReadMe+ftp	
<input type="checkbox"/>	I/209A	Opt V X Y	14k	Catalogue of 2700 double stars (Couteau, 1995)	ReadMe+ftp	
<input type="checkbox"/>	I/230	Opt V X Y	118k	Southern Hemisphere Catalogue of Bordeaux (Rousseau+ 1996)	ReadMe+ftp	
<input checked="" type="checkbox"/>	I/239	Opt V X Y	1M	The Hipparcos and Tycho Catalogues (ESA 1997)	timeSerie ReadMe+ftp	
<input type="checkbox"/>	I/242	Opt V X Y	760	Pulkovo Photographic Vertical Circle (PVC96) (Gontcharov+ 1998)	ReadMe+ftp	
<input type="checkbox"/>	I/246	Opt V X Y	988k	The ACT Reference Catalog (Urban+ 1997)	ReadMe+ftp	
<input type="checkbox"/>	I/250	Opt V X Y	990k	The Tycho Reference Catalogue (Hog+ 1998)	ReadMe+ftp	
<input type="checkbox"/>	I/251	Opt V X Y	861	VLBI International Celestial Reference Frame (ICRF) (Ma+, 1997)	ReadMe+ftp	

Select tables of interest

some catalogues
consist of
multiple tables

The screenshot shows the VizieR Catalog Selection Page. The browser title is "Catalog Selection Page - Google Chrome" and the URL is "isbg.fr/viz-bin/VizieR-4". The page features a navigation bar with logos for UDS, Simbad, VizieR, Aladin, Catalogs, Dictionary, Biblio, Tutorials, and Resources. The main content area is titled "Catalog Selection Page" and displays a list of tables for the Hipparcos and Tycho catalogues (ESA 1997). The selected table is "I/239/hip_main".

Search Criteria

Keywords

- Hipparcos

Tables

- I/239
- ..hip_main
- ..h_dm_com
- ..hip_dm_o
- ..hip_va_1

Preferences

max: 50

Table List:

Table Name	Description
<input checked="" type="checkbox"/> I/239/hip_main	(c) The Hipparcos Main Catalogue [timeSerie] (118218 rows)
<input type="checkbox"/> I/239/h_dm_com	(c) Double and Multiples: Component solutions -COMP (24588 rows)
<input type="checkbox"/> I/239/hip_dm_o	Double and Multiples: Orbital solutions (235 rows)
<input type="checkbox"/> I/239/hip_va_1	Variability Annex: Periodic variables (2712 rows)
<input type="checkbox"/> I/239/hip_va_2	Variability Annex: Unsolved variables (5542 rows)
<input type="checkbox"/> I/239/solar_ha	(c) Solar System Annex: Astrometric catalogue (5609 rows)
<input type="checkbox"/> I/239/solar_hp	Solar System Annex: Photometric catalogue (2639 rows)
<input type="checkbox"/> I/239/solar_t	(c) Solar System Annex: Tycho astrometry/photometry (291 rows)
<input type="checkbox"/> I/239/hd_notes	Hipparcos notes: Double and multiple systems (2622 rows)
<input type="checkbox"/> I/239/hg_notes	Hipparcos notes: General notes (3898 rows)
<input type="checkbox"/> I/239/hp_notes	Hipparcos notes: Photometric notes (2444 rows)
<input type="checkbox"/> I/239/hp_refs	References Hipparcos stars (33769 rows)
<input type="checkbox"/> I/239/hp_auth	References of hp_notes.doc (4335 rows)
<input type="checkbox"/> I/239/dmsa_o	References of hip_dm_o.dat (118 rows)
<input type="checkbox"/> I/239/tyc_main	(c) The main part of Tycho Catalogue [timeSerie] (1058332 rows)

Buttons: Reset All, Query selected Tables, Join selected Tables

Legend: (c) indicates tables which contain celestial coordinates

Footer: ©UDS/CNRS Contact: ✉

proceed to
the query
interface for
the selected
table

QUERY BY POSITION OR
TARGET NAME

By position or target name

VizieR Search Page - Google Chrome

http://vizier.u-strasbg.fr/viz-bin/VizieR-4

VizieR local VizieR Service Server monitoring IP checking Autres favoris

Simbad VizieR Aladin Catalogs Dictionary Biblio Tutorials Resources

VizieR Search Page

Simple Target **List Of Targets**

Target Name (resolved by [Simbad](#)) or Position: Target dimension:

Clear

Radius or Box size

[ReadMe+ftp](#) [timeSerie](#) [Similar Catalogs](#)

I/239

1. I/239/hip_main The Hipparcos Main Catalogue [[timeSerie](#)] (118218 rows)
Errors found in the Hipparcos catalogue are reported in the file [errata.htm](#)

Simple Constraint **List Of Constraints**

Query by [Constraints](#) applied on Columns (Output Order: + -)

Show	Sort	Column	Clear	Constraint	Explain (UCD)
<input type="checkbox"/>	<input type="radio"/>	recno	<input type="text"/>		Record number within the original table (starting from 1) (meta.record)
<input checked="" type="checkbox"/>	<input type="radio"/>	HIP	<input type="text"/>		Identifier (HIP number) (H1) (meta.id;meta.main)
<input type="checkbox"/>	<input type="radio"/>	Proxy	<input type="text"/>	(char)	[HT] Proximity flag (H2) (Note) (meta.note)
<input checked="" type="checkbox"/>	<input type="radio"/>	RAhms	<input type="text"/>	(char)	Right ascension in h m s, ICRS (J1991.25) (H3) (pos.eq.ra;meta.main)
<input checked="" type="checkbox"/>	<input type="radio"/>	DEdms	<input type="text"/>	(char)	Declination in deg ' ", ICRS (J1991.25) (H4) (pos.eq.dec;meta.main)

(n) Magnitude in Johnson V

By constraints on the table values

VizieR Search Page - Google Chrome

http://vizier.u-strasbg.fr/viz-bin/VizieR-4

VizieR local VizieR Service Server monitoring IP checking

Autres favoris

Distance (x,y)
 Galactic
 J2000
 B1950
 Ecl. J2000

 Sort by Distance

Position in:
 Sexagesimal
 Decimal °

Mirrors
 CDS, France

<input type="checkbox"/>	<input type="text"/>	Proxy (char)	[HT] Proximity flag (H2) (/Note) (meta.note)
<input checked="" type="checkbox"/>	<input type="text"/>	RAhms (char)	Right ascension in h m s, ICRS (J1991.25) (H3) (pos.eq.ra;meta.main)
<input checked="" type="checkbox"/>	<input type="text"/>	DEdms (char)	Declination in deg ' ", ICRS (J1991.25) (H4) (pos.eq.dec;meta.main)
<input checked="" type="checkbox"/>	<input type="text"/>	Vmag (mag)	(n) Magnitude in Johnson V (H5) (phot.mag;em.opt.V)
<input type="checkbox"/>	<input type="text"/>	VarFlag	(n) [1,3] Coarse variability flag (H6) (/Note) (meta.code;src.var)
<input type="checkbox"/>	<input type="text"/>	r_Vmag (char)	[GHT] Source of magnitude (H7) (/Note) (meta.ref)
<input checked="" type="checkbox"/>	<input type="text"/>	RA(ICRS) (deg)	(n) alpha, degrees (ICRS, Epoch=J1991.25) (H8) (/Note) (pos.eq.ra;meta.main)
<input checked="" type="checkbox"/>	<input type="text"/>	DE(ICRS) (deg)	(n) delta, degrees (ICRS, Epoch=J1991.25) (H9) (/Note) (pos.eq.dec;meta.main)
<input type="checkbox"/>	<input type="text"/>	AstroRef (char)	[*+A-Z] Reference flag for astrometry (H10) (/Note) (meta.note)
<input type="checkbox"/>	<input type="text"/>	ALL cols	(n) indicates a possible blank or NULL column (Submit)
<input checked="" type="checkbox"/>	<input type="text" value=">100"/>	Plx (mas)	(n) Trigonometric parallax (H11) (pos.parallax.trig)
<input checked="" type="checkbox"/>	<input type="text"/>	mu_alpha*cos(delta) (mas/yr)	(n) Proper motion mu_alpha*cos(delta), ICRS (H12) (for J1991.25 epoch) (pos.pm;pos.eq.ra)
<input checked="" type="checkbox"/>	<input type="text"/>	mu_delta (mas/yr)	(n) Proper motion mu_delta, ICRS (H13) (for J1991.25 epoch) (pos.pm;pos.eq.dec)
<input type="checkbox"/>	<input type="text"/>	e_RAdeg (mas)	(n) Standard error in RA*cos(DEdeg) (H14) (at epoch J1991.25; for different epochs, the actual mean error must take into account the proper motion uncertainties) (stat.error)

For example,
parallax
>100 mas

the result shows the table with the selected columns

VizieR Result Page - Google Chrome

http://vizier.u-strasbg.fr/viz-bin/VizieR-4

VizieR local VizieR Service Server monitoring IP checking

Autres favoris

Centre de Données Astronomiques de Strasbourg

Simbad VizieR Aladin Catalogs Dictionary Biblio Tutorials Resources

VizieR Result Page

Show the target form

The 2 columns in **color** are computed by VizieR, and are **not part of the original data** (note that the **computed coordinates** are computed from the positions **and** the proper motions given in the table)

Note: Errors found in the Hipparcos catalogue are reported in the file [errata.htx](#)

[I/239/hip_main](#) [The Hipparcos and Tycho Catalogues \(ESA 1997\)](#) [ReadMe+ftp](#)
[Post annotation](#) The Hipparcos Main Catalogue (118218 rows) [timeSerie](#)

Full	RA ₂₀₀₀ "h:m:s"	DE ₂₀₀₀ "d:m:s"	HIP	RAhms	DEdms	Vmag mag	RA(ICRS) deg	DE(ICRS) deg	Plix mas
1	17 30 22.727	+05 32 54.67	85665	17 30 22.71	+05 32 56.8	9.33	262.59462845	5.54912350	
2	01 47 44.855	-01 09 00.00	8362	01 47 44.06	+63 51 11.2	5.63	26.93360110	63.859	
3	20 45 09.532	-31 20 27.2	85669	20 45 09.34	-31 20 24.1	8.81	311.28891788	-31 34002	
4	17 17 23.517	-07 52 35.14	84562	17 17 23.46	-07 52 36.6	11.09	259.34773232	-7 876	
5	14 42 21.568	+66 03 20.67	71898	14 42 22.01	+66 03 21.2	10.88	220.59172751	66 055	
6	06 37 10.792	+17 33 53.28	31635	06 37 11.27	+17 33 50.4	9.63	99.29694468	17 56399483	
7	09 44 29.833	-45 46 35.45	47780	09 44 30.22	-45 46 30.3	10.22	146.12593185	-45 7750	
8	14 54 29.237	+16 06 03.82	72944	14 54 29.07	+16 06 04.9	10.11	223.62111279	16.1013	
9	16 36 21.449	-02 19 28.50	81300	16 36 21.18	-02 19 25.8	5.77	249.08826	-2.323835	
10	17 35 13.617	-48 40 51.12	86057	17 35 13.54	-48 40 55.1	10.13	263.80642	-48 6819	
11	16 45 06.351	+33 30 33.23	82003	16 45 06.38	+33 30 29.9	8.10	251.27657	33 5082975	
12	12 37 52.217	-52 00 05.32	61629	12 37 53.20	-52 00 05.6	10.65	189.471652	-52 000	
13	09 30 44.584	+00 19 21.58	46655	09 30 44.92	+00 19 26.4	11.71	142.6871532	0 19264	
14	11 41 03.015	-34 12 05.89	56007	11 41 03.03	-34 12 09.2	5.31	175.26260484	-34 00956	

Adjust the result by using with the navigation bar

click on the 'Full' column for the details of a record

the detailed record with explanations

QUERY BY POSITION OR TARGET NAME

VizieR Detailed Page - Google Chrome

og.fr/viz-bin/VizieR-5?-ref=VIZ4d7a4ec37ac9&-out.add=.&-source=I/239/hip_main&recno=85594

VizieR local VizieR Service Server monitoring IP checking Autres favoris

VizieR Detailed Page

[I/239/hip_main](#) [The Hipparcos and Tycho Catalogues \(ESA 1997\)](#) [ReadMe+ftp](#) [timeSerie](#) recno=85594

[The Hipparcos Main Catalogue \(118218 rows\)](#)

[Post annotation about this record](#)

Note: Errors found in the Hipparcos catalogue are reported in the file [errata.htx](#)

Column	Value	Explain (UCD)
	Aladin Image	Start AladinJava for a view of the optical sky centered on this source
<i>_RA</i> J2000	17 30 22.727 "h:m:s"	Right ascension (FK5) Equinox=J2000.0 Epoch=J2000.000, proper motions taken into account (computed by VizieR, not part of the original data) (pos.eq.ra:meta.main)
<i>_DE</i> J2000	+05 32 54.67 "d:m:s"	Declination (FK5) Equinox=J2000.0 Epoch=J2000.000, proper motions taken into account (computed by VizieR, not part of the original data) (pos.eq.dec:meta.main)
<i>_RAB</i> 1950	17 27 55.310 "h:m:s"	Right ascension (FK4) Equinox=B1950.0 Epoch=J1950.000, proper motions taken into account (computed by VizieR, not part of the original data) (pos.eq.ra:meta.main)
<i>_DEB</i> 1950	+05 35 21.55 "d:m:s"	Declination (FK4) Equinox=B1950.0 Epoch=J1950.000, proper motions taken into account (computed by VizieR, not part of the original data) (pos.eq.dec:meta.main)
<i>_Glon</i>	28.5753 deg	Galactic longitude Epoch=J1991.250, proper motions taken into account (computed by VizieR, not part of the original data) (pos.galactic.lon)
<i>_Glat</i>	20.5427 deg	Galactic latitude Epoch=J1991.250, proper motions taken into account (computed by VizieR, not part of the original data) (pos.galactic.lat)
recno	85594	Record number within the original table (starting from 1) (meta.record)

Search Criteria
[Save in CDSportal](#)
 Keywords Back
 Hipparcos
Tables
 I/239
 ..hip_main
 ..h_dm_com
 ..hip_dm_o
 ..hip_va_1
 Enlarge Choose
Constraints
 Modify Query
Preferences
 max: 50
 VOTable
 All columns
 Compute
 submit
Mirrors
 CDS, France

TOPCAT
 File Views Graphics Joins Windows VO Interop Help
 Table List
 1: vizier_votable.vot
 Current Table Properties - Scatter Plot
 Label: vizier_votable.vot
 Location: /tmp/vizier_votable.vot

TOPCAT(1): Table Browser
 File Subsets Help
 Table Browser for 1: vizier_votable.vot

	RAJ2000	DEJ2000	HIP	RAhms	DEdms	l(mag)	l(ICRS)
1	0,0009	1,08901	1	00 00 00.22	+01 05 20.4	9,1	1,08901
2	0,00426	-19,49884	2	00 00 00.91	-19 29 55.8	9,27	0,0038 -19,49884
3	0,00502	38,85928	3	00 00 01.20	+38 51 33.4	6,61	0,00501 38,85929
4	0,00863	-51,89355	4	00 00 02.01	-51 53 36.8	8,06	0,00838 -51,89355
5	0,00997	-40,5912	5	00 00 02.39	-40 35 28.4	8,55	0,00997 -40,59122
6	0,01869	3,94646	6	00 00 04.35	+03 56 47.4	12,31	0,01814 3,94649
7	0,02201	20,03611	7	00 00 05.41	+20 02 11.8	9,64	0,02255 20,0366
8	0,02734	25,88646	8	00 00 06.55	+25 53 11.3	9,05	0,02729 25,88647
9	0,03532	36,58596	9	00 00 08.48	+36 35 09.4	8,59	0,03534 36,58594
10	0,03642	-50,86698	10	00 00 08.70	-50 52 01.5	8,59	0,03625 -50,86707
11	0,03734	46,94	11	00 00 08.95	+46 56 24.0	7,34	0,0373 46,94
12	0,03734	-35,96022	12	00 00 09.82	-35 57 36.8	8,43	0,04092 -35,96022
13	0,03734	-22,59468	13	00 00 10.00	-22 35 40.9	8,8	0,04168 -22,59468
14	0,03734	-0,36042	14	00 00 11.59	-00 21 37.5	7,25	0,04827 -0,36042
15	0,03734	50,79117	15	00 00 12.07	+50 47 28.2	8,6	0,05031 50,79117
16	0,03734	-40,19233	16	00 00 12.26	-40 11 32.4	8,15	0,0511 -40,19233
17	0,03734	-54,91413	17	00 00 12.34	-54 54 50.9	11,71	0,05141 -54,91413
18	0,03734	-4,05374	18	00 00 12.75	-04 03 13.5	11,03	0,05314 -4,05374
19	0,03734	38,30405	19	00 00 12.80	+38 18 14.7	6,53	0,05332 38,30405
20	0,06305	23,52923	20	00 00 15.11	+23 31 45.4	8,51	0,06295 23,52923
21	0,06630	8,00733	21	00 00 15.00	+08 00 26.0	7,55	0,06634 8,00733

Load it into Topcat

Save the result

choose a different output layout

```

asu.tsv (/tmp) - GVIM1
Fichier Edition Outils Syntaxe Tampons Fenêtre Aide
1 #
2 # VizieR Astronomical Server cds-dev-gl.u-strasbg.fr 2011-04-01T16:22:01 [V1.71]
3 # (replaces the 'Astrores' format originally described at
4 # http://vizier.u-strasbg.fr/doc/astrores.htx)
5 # In case of problem, please report to: question@simbad.u-strasbg.fr
6 #
7 #
8 #Coosys J2000: eq_FK5 J2000
9 #INFO -ref=VGL4d95f06841b7
10 #INFO -out.max=50
11
12 #RESOURCE=yCat_1239
13 #Name: I/239
14 #Title: The Hipparcos and Tycho Catalogues (ESA 1997)
15 #Coosys J2000_1991.250: eq_FK5 J2000
16 #Table I_239_hip_main:
17 #Name: I/239/hip_main
18 #Title: The Hipparcos Main Catalogue\vizContent{timeSerie}
19 #Column _RAJ2000 (F10.6) Right ascension (FK5) Equinox=J2000.0 Epoch=J2000.000, proper motions taken into account (computed by
20 #Column _DEJ2000 (F10.6) Declination (FK5) Equinox=J2000.0 Epoch=J2000.000, proper motions taken into account (computed by Viz
21 #Column HIP (I6) Identifier (HIP number) (H1) [ucd=meta.id;meta.main]
22 #Column RAhms (a11) Right ascension in h m s, ICRS (J1991.25) (H3) [ucd=pos.eq.ra]
23 #Column DEdms (a11) Declination in deg ' ", ICRS (J1991.25) (H4) [ucd=pos.eq.dec]
24 #Column Vmag (F5.2) ? Magnitude in Johnson V (H5) [ucd=phot.mag;em.opt.V]
25 #Column RA(ICRS) (F12.8) *? alpha, degrees (ICRS, Epoch=J1991.25) (H8) [ucd=pos.eq.ra]
26 #Column DE(ICRS) (F12.8) *? delta, degrees (ICRS, Epoch=J1991.25) (H9) [ucd=pos.eq.dec]
27 #Column Plx (F7.2) ? Trigonometric parallax (H11) [ucd=pos.parallax.trig]
28 #Column pmRA (F8.2) Proper motion mu_alpha.cos(delta), ICRS(H12) {\em(for J1991.25 epoch)} [ucd=pos.pm;pos.eq.ra]
29 #Column pmDE (F8.2) ? Proper motion mu_delta, ICRS (H13) {\em(for J1991.25 epoch)} [ucd=pos.pm;pos.eq.dec]
30 #Column e_Plx (F6.2) ? Standard error in Plx (H16) [ucd=stat.error]
31 #Column B-V (F6.3) ? Johnson B-V colour (H37) [ucd=phot.color;em.opt.B;em.opt.V]
32 #Column Notes (A1) *[DGPWXYZ] Existence of notes (H70) [ucd=meta.note]
33 _RAJ2000 _DEJ2000 HIP RAhms DEdms Vmag RA(ICRS) DE(ICRS) Plx pmRA pmDE e_Plx B-V
34 deg deg mag deg deg mas mas/yr mas/yr mas mag mag mag
35 -----
36 0.000899 1.089009 1 00 00 00.22 +01 05 20.4 9.10 0.00091185 1.08901332 3.54 -5.20
37 0.004265 -19.498840 2 00 00 00.91 -19 29 55.8 9.27 0.00379737 -19.49883745 21.90 181.21
38 0.005024 38.859279 3 00 00 01.20 +38 51 33.4 6.61 0.00500795 38.85928608 2.81 5.24
39 0.008629 -51.893546 4 00 00 02.01 -51 53 36.8 8.06 0.00838170 -51.89354612 7.75 62.85
40 0.009973 -40.591202 5 00 00 02.39 -40 35 28.4 8.55 0.00996534 -40.59122440 2.87 2.53
41 0.018693 3.946458 6 00 00 04.35 +03 56 47.4 12.31 0.01814144 3.94648893 18.80 226.29
42 0.022010 20.036114 7 00 00 05.41 +20 02 11.8 9.64 0.02254891 20.03660216 17.74 -208.12
43 0.027343 25.886461 8 00 00 06.55 +25 53 11.3 9.05 0.02729160 25.88647445 5.17 19.09
44 0.035323 36.585958 9 00 00 08.48 +36 35 09.4 8.59 0.03534189 36.58593777 4.81 -6.30
45 0.036416 -50.866976 10 00 00 08.70 -50 52 01.5 8.59 0.03625309 -50.86707360 10.76 42.23
46 0.037336 46.939997 11 00 00 08.95 +46 56 24.0 7.34 0.03729695 46.94000154 4.29 11.09
47 0.040900 -35.960225 12 00 00 09.82 -35 57 36.8 8.43 0.04091756 -35.96022482 4.06 -5.99
48 0.041702 -22.594705 13 00 00 10.00 -22 35 40.9 8.80 0.04167970 -22.59468060 3.49 8.45
49 0.048422 -0.360450 14 00 00 11.59 -00 21 37.5 7.25 0.04827189 -0.36042119 5.11 61.75
50 0.050362 50.791187 15 00 00 12.07 +50 47 28.2 8.60 0.05030890 50.79117384 2.45 13.88

```

Ascii formats (TSV) are also available

QUERY AROUND AN OBJECT

at UV, EUV and X-ray wavelengths

for example 'AM Her'

Submit the query for the table data

VizieR Service - Google Chrome

VizieR local

Autres favoris

INFO IDC Biblio Tutorials Resources

Search Criteria

Preferences
max: 50
HTML Table
All columns
Compute

Mirrors
CDS, France

Find catalogs among 8474 available

Clear Find...

Expand search

Wavelength
Radio
IR
optical
UV
EUV
X-ray
Gamma-ray

Mission
AKARI
ANS
ASCA
BeppoSAX
CGRO
Chandra
COBE

Astronomy
Abundances
Ages
AGN
Associations
Atomic_Data
Binaries:cataclysmic
Binaries:eclipsing

Catalog, author's name, word(s) from title, description, etc. e.g.: AGN, Veron, I/239, or bibcodes...

Search catalogs by column descriptions (UCD)

Search by Position across 8764 tables

Target Name (resolved by [Sesame](#)) or Position:
Clear AM Her J2000 Target dimension: 2 arcmin Go!

Radius Box size










~ 40 matching catalogs Find Catalogs

Browsing modes: [Designation](#), [Acronyms](#), [Favorites](#), [Dates](#), [Image.spectra](#), [Kohonen](#)
Or list [the large surveys](#)

VizieR Result Page - Google Chrome

http://vizier.u-strasbg.fr/viz-bin/VizieR

VizieR local VizieR Service Server monitoring IP checking Autres favoris

VizieR Result Page

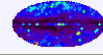
Show the target form

Search Criteria
[Save in CDSportal](#)
[Back](#)
 Keywords
 • UV
 • EUV
 • X-ray
 • AM Her

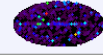
Preferences
 max: 50
 HTML Table
 All columns
 Compute

Mirrors
 CDS, France

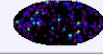
The 6 columns in **color** are computed by VizieR, and are **not part of the original data**.

V/134/arxa [Atlas of Radio/X-ray associations \(ARXA\) \(Flesch, 2010\)](#) [ReadMe+ftp](#) 
 The atlas of Radio/X-ray associations (602570 rows)

Full	r	RAJ2000	DEJ2000	RAJ2000	DEJ2000	Name	Cl	Rmag	Bmag	zpr	Q	pr	G	pr	*QC
arcmin	"h:m:s"	"d:m:s"	"h:m:s"	"d:m:s"				mag	mag	%	%	%	%	%	
1	0.040	18 16 13.4	+49 52 03	18 16 13.4	+49 52 03	CV AM Her	SX	14.4	14.4		97	1	2	0	QC
2	0.842	18 16 09.3	+49 52 38	18 16 09.3	+49 52 38		X	19.7	20.5		86	1	1	0	QC
3	1.169	18 16 13.4	+49 53 15	18 16 13.4	+49 53 15		X	12.5	13.8		0	60	14	0	QC
4	1.259	18 16 07.4	+49 52 55	18 16 07.4	+49 52 55		X	18.1	18.9		35	54	0	0	QC
5	1.403	18 16 05.0	+49 51 38	18 16 05.0	+49 51 38		X	18.4	20.2		49	14	11	0	QC
6	1.496	18 16 05.4	+49 51 17	18 16 05.4	+49 51 17		X	16.1	16.5		94	1	1	0	QC
7	1.541	18 16 07.5	+49 50 51	18 16 07.5	+49 50 51		X	20.5			29	41	3	0	QC
8	1.596	18 16 10.2	+49 53 36	18 16 10.2	+49 53 36		X	18.0	19.8		4	65	1	0	QC
9	1.819	18 16 17.8	+49 50 25	18 16 17.8	+49 50 25		X	19.1	21.7		40	12	9	0	QC
10	1.881	18 16 19.7	+49 53 39	18 16 19.7	+49 53 39		X		21.5		35	6	3	0	QC
11	1.911	18 16 24.4	+49 52 44	18 16 24.4	+49 52 44		X	20.2			26	63	0	0	QC

VI/43/data [EXOSAT Observation Log \(EXOSAT Obs 1987; Sternberg+ 1986\)](#) [ReadMe+ftp](#) 
 Data (2108 rows)

Ill	r	RAJ2000	DEJ2000	Stime	Etime	RA1950	DE1950	Tname	Pinu
arcmin	"h:m:s"	"d:m:s"	"Y:M:D"	"Y:M:D"	"h:m:s"	"d:m:s"			
1	0.09	18 16 14	+49 52.0	1983-08-10T17:18	1983-08-11T13:38	18 14 59	+49 50.9	AM HER	
2	0.09	18 16 13	+49 52.0	1984-03-08T07:52	1984-03-08T11:28	18 14 58	+49 50.9	AM HER	
3	0.09	18 16 13	+49 52.0	1984-09-01T02:08	1984-09-01T03:00	18 14 58	+49 50.9	AM HER	
4	0.25	18 16 12	+49 52.0	1983-09-21T12:02	1983-09-21T13:50	18 14 57	+49 50.9	AM HER	
5	0.25	18 16 12	+49 52.0	1983-11-03T14:25	1983-11-03T19:26	18 14 57	+49 50.9	AM HER	
6	0.35	18 16 13	+49 51.7	1984-08-01T19:51	1984-08-01T22:06	18 14 58	+49 50.6	AM HER	
7	0.55	18 16 13	+49 51.5	1984-05-30T22:02	1984-05-31T05:39	18 14 58	+49 50.4	AM HER	
8	0.66	18 16 10	+49 51.7	1984-07-02T09:26	1984-07-02T13:07	18 14 55	+49 50.6	AM HER	
9	0.74	18 16 09	+49 52.2	1984-07-03T10:02	1984-07-03T10:11	18 14 54	+49 51.1	AM HER	

VI/103/hutlist [The Hopkins Ultraviolet Telescope \(HUT\) \(GSFC, 1990-95\)](#) [ReadMe+ftp](#) 
 HUT Observation Log (643 rows)

Full	r	RAJ2000	DEJ2000	Target	RAJ2000	DEJ2000	Jotfid	ExpTime	ASTRO	Preview
arcmin	"h:m:s"	"d:m:s"	deg	deg			s			
1	0.0416	18 16 13.43	+49 52 03.1	AM-HER	274.05594	+49.86752	3223	126	2	Preview
2	0.0416	18 16 13.43	+49 52 03.1	AM-HER	274.05594	+49.86752	3223	3032	2	Preview
3	0.0416	18 16 13.43	+49 52 03.1	AM-HER	274.05594	+49.86752	3223	2620	2	Preview

The relevant records in all matching catalogues are presented