

Datalink and TAP in Aladin

Contents

Datalink handling in Aladin

- 1.Demo for CADDC
- 2.CFHT Vizier
- 3.Conclusions

Aladin's TAP clients

- 4.Generic tap client
- 5.Glu tap client
- 6.UWS
- 7.TAP client configuration
- 8.Loading TAP from directory tree
- 9.Conclusions

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Datalink handling in Aladin

The screenshot displays the Aladin software interface, which is used for astronomical data visualization and analysis. The main window shows a star field with a coordinate system (RA, Dec) and a zoom level of 6.021° x 4.882°. The interface includes a toolbar on the right with various tools like zoom, dist, phot, draw, tag, spect, filter, cross, key, rgb, assoc, crop, cont, pixel, prop, and del. A search bar is located at the bottom right. A table at the bottom left lists data entries with columns for ID, access url, service def, error message, semantics, description, content type, content length, and readable. The table contains three rows of data.

Outreach → 1
Unsupervised → 2051

6.021° x 4.882°

Search

ID	access url	service def	error message	semantics	description	content type	content length	readable
caom:CFHT/1021	v2/eske69a6u			#this		application/fits	289776960	true
caom:CFHT/1021		soda-0420a3e4		#cutout		application/fits		true
caom:CFHT/1021		soda-7ba83967		#cutout		application/fits		true

3 sel / 3 src 30fps / 406Mb

Datalink handling in Aladin

File Edit Image Catalog Overlay Coverage Tool View Interop Help

Data access → 2 / 19454

Collections → 2 / 19454

- Unsupervised → 2 / 2035
 - Image by SIA → 1 / 233
 - cadc.nrc.ca → 1
 - CADC Image Search (SIA)**
 - Catalog by CS, TAP → 1 / 1680
 - cadc.nrc.ca → 1
 - CADC Table Query (TAP) Service

Location: 05:22:19.18 -09:56:26.5

Frame: ICRS Projection: Sinus

DSS colored

CFHT, GALEX, IRIS

35.04° x 22.46°

Search:

id	em ucd	pol states	pol xel	o ucd	access url	access format	access estsize	core id	lastModified
1				phot.count	http://www.cadc.nrc.ca/sia/...	application/x-vot	1008000	00000000-0000	2013-08-21T17:4
1				phot.count	http://www.cadc.nrc.ca/sia/...	application/x-vot	1008000	00000000-0000	2013-08-21T17:4
1				phot.count	http://www.cadc.nrc.ca/sia/...	application/x-vot	1008000	00000000-0000	2015-07-01T19:4
1				phot.count	http://www.cadc.nrc.ca/sia/...	application/x-vot	1008000	00000000-0000	2015-07-01T20:0
1				phot.count	http://www.cadc.nrc.ca/sia/...	application/x-vot	1008000	00000000-0000	2016-01-07T10:2
1				phot.count	http://www.cadc.nrc.ca/sia/...	application/x-vot	1008000	00000000-0000	2015-07-01T19:3
1				phot.count	http://www.cadc.nrc.ca/sia/...	application/x-vot	1008000	00000000-0000	2016-01-07T10:2
1				phot.count	http://www.cadc.nrc.ca/sia/...	application/x-vot	1008000	00000000-0000	2016-01-07T10:4

This dataset (size 1008000 bytes)

Get cutout

Get cutout

select: cadc.nrc

from: -- All collections --

filter coll inside scan

epoch: size: dens.: opac.: zoom:

Frame: ICRS

05:22:19.18 -09:56:26.5
35.04° x 22.46°

Mouse controls:

- Left: source selection.
- Middle: quick panning.
- Right: contrast adjustment.
- Wheel: quick zoom on the reticle.
- Simple-click: move the reticle.
- Double-click: re-center.

Let your mouse pointer on an object for discovering associated Simbad data.

select pan zoom dist phot draw tag spect filter cross x-y rgb assoc crop cont pixel prop del

CADC SIAv2 - access_url - URL to download the data

CADC SIAv2
cadc.nrc.ca/sia/...
DSS colored

Datalink handling in Aladin

```
<VALUES>
  <MAX value="74.40891177132141 -3.663936776303487 74.10746861021302 -16.038010233095207
86.99090120499388 -16.100350844693992 86.81225899553195 -3.7233925881787684"/>
</VALUES>
</PARAM>
</GROUP>
</RESOURCE>
<RESOURCE type="meta" ID="soda-664f36c1-66c6-4263-866b-6b54156482a1" utype="ad hoc:service">
  <PARAM name="resourceIdentifier" datatype="char" arraysize="26" value="ivo://cadc.nrc.ca/caom2ops"/>
  <PARAM name="standardID" datatype="char" arraysize="33" value="ivo://ivoa.net/std/SODA#async-1.0"/>
  <PARAM name="accessURL" datatype="char" arraysize="58" value="http://www.cadc-ccda.hia-ihp.nrc-
can.gc.ca/caom2ops/async"/>
  <GROUP name="inputParams">
    <PARAM name="ID" datatype="char" ucd="" arraysize="*" value="ad:IRIS/I170B1H0"/>
    <PARAM name="POS" datatype="char" ucd="obs.field" arraysize="*" value=""/>
    <PARAM name="CIRCLE" datatype="double" ucd="obs.field" unit="deg" xtype="circle" arraysize="3"
value=""/>
    <VALUES>
      <MAX value="80.58001555602195 -9.940800624635642 8.7697185954716"/>
    </VALUES>
  </PARAM>
  <PARAM name="POLYGON" datatype="double" ucd="obs.field" unit="deg" xtype="polygon" arraysize="*"
value=""/>
  <VALUES>
    <MAX value="74.40891177132141 -3.663936776303487 74.10746861021302 -16.038010233095207
86.99090120499388 -16.100350844693992 86.81225899553195 -3.7233925881787684"/>
  </VALUES>
</PARAM>
</GROUP>
</RESOURCE>
</VOTABLE>
```

Server selector

DataLink Cutout

○ Cutout service ?

Fill in all these fields and press the SUBMIT button

ID	<input type="text" value="ad:IRIS/I170B1H0"/>
POS	<input type="text"/>
CIRCLE	<input type="text"/>
POLYGON	<input type="text"/>

Reset Clear **SUBMIT** Close ?

datalink (4)

Show all

Datalink handling in Aladin

```
<VALUES>
  <MAX value="74.40891177132141 -3.663936776303487 74.10746861021302 -16.038010233095207
    86.99090120499388 -16.100350844693992 86.81225899553195 -3.7233925881787684"/>
</VALUES>
</PARAM>
</GROUP>
</RESOURCE>
<RESOURCE type="meta" ID="soda-664f36c1-66c6-4263-866b-6b54156482a1" utype="ad hoc:service">
  <PARAM name="resourceIdentifier" datatype="char" arraysize="20" value="ivo://cadu.mrc.ca/caom2ops"/>
  <PARAM name="standardID" datatype="char" arraysize="33" value="ivo://ivoa.net/std/SODA#async-1.0"/>
  <PARAM name="accessURL" datatype="char" arraysize="50" value="http://www.cadu-ccda.hia-hia.mrc-
    cnrc.gc.ca/caom2ops/async"/>
  <GROUP name="inputParams">
    <PARAM name="ID" datatype="char" ucd="" arraysize="*" value="ad:IRIS/I170B1H0"/>
    <PARAM name="POS" datatype="char" ucd="obs.field" arraysize="*" value=""/>
    <PARAM name="CIRCLE" datatype="double" ucd="obs.field" unit="deg" xtype="circle" arraysize="3"
      value=""/>
    <VALUES>
      <MAX value="80.58001555602195 -9.940800624635642 8.7697185954716"/>
    </VALUES>
  </PARAM>
  <PARAM name="POLYGON" datatype="double" ucd="obs.field" unit="deg" xtype="polygon" arraysize="*"
    value=""/>
    <VALUES>
      <MAX value="74.40891177132141 -3.663936776303487 74.10746861021302 -16.038010233095207
        86.99090120499388 -16.100350844693992 86.81225899553195 -3.7233925881787684"/>
    </VALUES>
  </PARAM>
</GROUP>
</RESOURCE>
</VOTABLE>
```

datalink (4)

Show all



Server selector

DataLink

Cutout

○ Cutout service ?

Fill in all these fields and press the SUBMIT button

ID

ad:IRIS/I170B1H0

POS

CIRCLE

POLYGON

Reset

Clear

SUBMIT

Close



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Datalink handling in Aladin

```
<TD>  
http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/caom2ops/datalink?runid=ox66cf6nd5wsfxx6&ID=caom%3AIRIS%2Ff170h000%2FIRAS-100um  
</TD>  
<TD>application/x-votable+xml;content=datalink</TD>  
</TD>  
<TD>f170h000</TD>
```

Value = application/x-votable+xml;content=datalink

	Visible	Coo	Name	Description	Unit	Datatype	UCD	Utype	Wi...	Arr...	Pr...
26	<input checked="" type="checkbox"/>		em_max	stop spectral coordinate v...	m	double	em.wl;stat.max	obscure:Char.SpectralAxis....			
27	<input checked="" type="checkbox"/>		Spectral co...	stop spectral coordinate v...	m	double	em.wl;stat.max	obscure:Char.SpectralAxis....			
28	<input checked="" type="checkbox"/>		em_res_power	typical spectral resolution		double	spect.resolution	obscure:Char.SpectralAxis....			
29	<input checked="" type="checkbox"/>		em_xel	dimensions (number of pix...		long	meta.number	obscure:Char.SpectralAxis....			
30	<input checked="" type="checkbox"/>		em_ucd	UCD describing the spectr...		char	meta.ucd	obscure:Char.SpectralAxis....		32*	
31	<input checked="" type="checkbox"/>		pol_states	polarization states presen...		char	meta.code;ph...	obscure:Char.PolarizationA...		32*	
32	<input checked="" type="checkbox"/>		pol_xel	dimensions (number of pix...		long	meta.number	obscure:Char.PolarizationA...			
33	<input checked="" type="checkbox"/>		o ucd	UCD describing the obser...		char	meta.ucd	obscure:Char.ObservableA...		32*	
34	<input checked="" type="checkbox"/>		access_url	URL to download the data		char	meta.ref.url	obscure:Access.Reference		*	
35	<input checked="" type="checkbox"/>		access_format	Format of the data file(s)		char	meta.code.mi...	obscure:Access.Format		128*	
36	<input checked="" type="checkbox"/>		access_estsi...	estimated size of the dow...	kbyte	long	phys.size;meta...	obscure:Access.Size			
37	<input checked="" type="checkbox"/>		core_id	primary key		char				36	
38	<input checked="" type="checkbox"/>		lastModified	timestamp of last modifica...		char				*	

Select all Unselect all - Parsing report Coord. columns - Close

Datalink handling in Aladin

```
<TD>  
http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/caom2ops/datalink?runid=ox66cf6nd5wsfxx6&ID=caom%3AIRIS%2Ff170h000%2FIRAS-100um  
</TD>  
<TD>application/x-votable+xml;content=datalink</TD>  
</TD>  
<TD>f170h000</TD>
```

Value = application/x-votable+xml;content=datalink

	Visible	Coo	Name	Description	Unit	Datatype	UCD	Utype	Width	Arrays...	Precis...
1	<input checked="" type="checkbox"/>		access_estsize	? estimated size of the do...		int	meta.number			1	
2	<input checked="" type="checkbox"/>		access_format	Format of the data file (\o...		char	meta.note			*	
3	<input checked="" type="checkbox"/>		access_url	? URL to download the da...		char	meta.ref.url			*	
4	<input checked="" type="checkbox"/>		calib_level	[1,2] calibration level (\ori...		short	phot.calib;ant...			1	
5	<input checked="" type="checkbox"/>		core_id	primary key (\original{cor...		char	meta.id.part;...			36	
6	<input checked="" type="checkbox"/>		dataprodut_type	type of product (\original{...		char	meta.note			*	
7	<input checked="" type="checkbox"/>		em_max	? stop spectral coordinat...	m	float	instr.bandpass			1	
8	<input checked="" type="checkbox"/>		Spectral coordinate ...	? stop spectral coordinat...	m	float	instr.bandpass			1	
9	<input checked="" type="checkbox"/>		em_min	? start spectral coordinat...	m	float	instr.bandpass			1	
10	<input checked="" type="checkbox"/>		Spectral coordinate s...	? start spectral coordinat...	m	float	instr.bandpass			1	
11	<input checked="" type="checkbox"/>		em_res_power	? typical spectral resoluti...		float	spect.resoluti...			1	
12	<input checked="" type="checkbox"/>		em_ucd	? UCD describing the spec...		char	meta.number			*	
13	<input checked="" type="checkbox"/>		em_xel	? dimensions (number of ...		int	phys.size			1	
14	<input checked="" type="checkbox"/>		em_xel_name	? dimensions (number of ...		char	meta.id.part;...			*	

Select all Unselect all - Parsing report Coord. columns - Close

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Conclusions

1. Need to resolve issues with Aladin and implement handling of more usecases
2. Need a distinctive way to identify a datalink
3. Better description of services

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Aladin's TAP clients

- Generic client
 - Table components
 - Meta data display
 - Upload

Data access

Location 05:22:41.38 -05:14:35.1

Frame ICRS

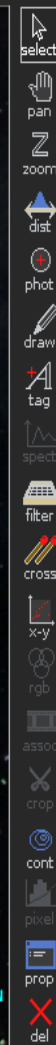
Projection Sinus

ALADIN

- Collections → 19454
 - Image → 300
 - Data base → 2
 - Catalog → 17110
 - Cube → 6
 - Outreach → 1
 - Unsupervised → 2035

DSS colored

Aladin's TAP clients

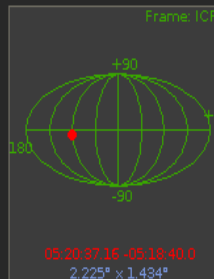


Mouse controls:

- Left: source selection.
- Middle: quick panning.
- Right: contrast adjustment.
- Wheel: quick zoom on the reticle.
- Simple-click: move the reticle.
- Double-click: re-center.

Let your mouse pointer on an object for discovering associated Simbad data.

- LocalResources
- SIMBAD_TAP
- DSS colored
- J2000
- size
- dens.
- opac.
- zoom



Upload to SIMBAD_TAP

Choose either your local system file or an already loaded file in Aladin.

Upload server: SIMBAD_TAP

☐ Local file

☒ Already loaded file: SIMBAD_TAP

Table name suffix: AladinTable13

Upload server ?

Construct your query, verify and execute.

Table: TAP_UPLOAD.AladinTable9

Select: ☒ All Constraints: Max rows: 100

coo_bibcode Target 05 20 32.13 -05 25 29.5

coo_err_angle Radius 9.037'

coo_err_maj Ra= 80.13387499999999 Dec= -5.424861111111111 Radius= 0.15

coo_err_maj_p

coo_err_min

```
SELECT TOP 100 * FROM TAP_UPLOAD.AladinTable9 WHERE CONTAINS(POINT('ICRS', ra, dec), CIRCLE('ICRS', 80.13387499999999, -5.424861111111111, 0.15061666666666668)) = 1
```

2.225° x 1.434°

Search

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Aladin's TAP clients

A little about GLU...

Server selector

Others File all VO Watch FoV... Tools...

Image servers

- Aladin images
- SkyView
- UKIDSS
- Sloan
- DSS...
- VLA...
- Archives..
- Proto...
- Others...

Catalog servers

- A
- Vizie
- SDSS
- NEI
- TAP
- SkyB
- Gai
- VO
- Others

○ SLOAN SDSS DR12 catalog ?

Fill in all these fields and press the SUBMIT button

Target (ICRS, name)

Radius

?

SLOAN SDSS DR12

Description : SLOAN SDSS DR12 catalog
Type : Catalog
More info : <http://skyserver.sdss.org/dr12/en/tools/search/radial.aspx>
Status :
Identifier : SDSS-DR12.cat

GLU record:

%A SDSS-DR12.cat
%D SLOAN SDSS DR12 catalog
%O CDS'SLOAN
%Z ALADIN
%N 1473775682 2016/09/13 16:08:02
%U http://skyserver.sdss.org/dr12/en/tools/search/x_results.aspx?searchtool=Radial&coord
%P.D 1:Right Ascension
%P.D 2:Declination
%P.D 3:Radius (arcmin)
%P.K 1:Target(RAd)
%P.K 2:Target(DEd)
%P.K 3:Field(RADIUS)
%R Mime(text/xml)

Aladin's TAP clients

- Glu

%Param.Description 5:Plx [mas](ex: >50)

%Param.DataType 5=char(OP,"I/337/gaia","I/337/tgasptyc")

%ADQL.Where 5=parallax \$5

%ADQL.Where

%ADQL.Select

%ADQL.From

Etc..

Aladin's TAP clients

- Glu

%Param.Description
%Param.DataType
%Param.Description
%Param.DataType
%Param.Description
%Param.DataType
%ADQL.Where

\$1=Right ascension
\$1=Target(RAd,caom2.SIAv1,ivoa.ObsCore)
\$2=Declination
\$2=Target(DEd,caom2.SIAv1,ivoa.ObsCore)
\$3=Radius
\$3=Field(RADIUSd,caom2.SIAv1,ivoa.ObsCore)
\$1=SpatialCS

#SpatialCS function description below

%ADQL.Func.SpatialCS
CIRCLE('ICRS', \$1, \$2, \$3)
%ADQL.FuncParam.SpatialCS.caom2.SIAv1
%ADQL.FuncParam.SpatialCS.ivoa.ObsCore

1=CONTAINS(POINT('ICRS', %1\$s, %2\$s),
position_center_ra position_center_dec
s_ra s_dec

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Aladin's TAP clients

Or choose an already submitted job:

☒ Job URL

☒ Delete on closing Aladin

Job details:

Job created to execute query: **null**
Job ID: 1487864353616
Run ID: null
URL: **http://simbad.u-strasbg.fr:80/simbad/sim-tap/async/1487864353616**
Owner ID: anonymous
Phase: COMPLETED
Quote: null
Creation time: null
Start time: 2017-02-23T15:39:13Z
End time: 2017-02-23T15:39:13Z
Execution duration: 360000
Destruction time: 2017-04-14T21:44:17Z
Parameters: {tapexecreport={"formattingduration":2,"uploadduration":-1,"executionduration":2,"success":true,"
Results: {result=http://simbad.u-strasbg.fr:80/simbad/sim-tap/async/1487864353616/results/result}

Load on Aladin:

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Data access

Location 05:19:32.82 -04:51:03.4

Frame CRS

Projection Sinus

ALADIN

Collections → 19454
 Image → 300
 Data base → 2
 Catalog → 17110
 Cube → 6
 Outreach → 1
 Unsupervised → 2035

DSS colored

Aladin's TAP clients

How are the servers configured?

- Tap server list
- Glu additions

Select a tap server or job

Select server Async jobs

Filter:

Go

Reset

- ☐ SDSSDR2_SPECTRA ::http://jvo.nao.ac.jp/skynode/do/tap/sdss
- ☐ swire ::http://jvo.nao.ac.jp/skynode/do/tap/swire
- ☐ SubaruHDS ::http://jvo.nao.ac.jp/skynode/do/tap/hds
- ☐ TWOMASS_JVO ::http://jvo.nao.ac.jp/skynode/do/tap/twomass
- ☐ NASADUSTCAT ::http://ia2-tap.oats.inaf.it:8080/epntap
- ☐ GAIA_ARI ::http://gaia.ari.uni-heidelberg.de/tap
- ☐ GAIA_VIZIER ::http://tapvizier.u-strasbg.fr/TAPVizier/tap
- ☐ HEASARC_TAP ::http://heasarc.gsfc.nasa.gov/xamin/vo/tap
- ☒ SIMBAD_TAP ::http://simbad.u-strasbg.fr:80/simbad/sim-tap
- ☐ WISE ::http://wfaudata.roe.ac.uk/wise-dsa/TAP
- ☐ cadc.nrc.ca/tap ::http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/tap
- ☐ CADC2 ::http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/tap2
- ☐ ObsTAP ::http://cdsarc.u-strasbg.fr/saadavizier.tap/tap
- ☐ TAPVizier ::http://tapvizier.u-strasbg.fr/TAPVizier/tap

LOAD

RELOAD

Close

#Label URL

GAIA_ARI http://gaia.ari.uni-heidelberg.de/tap

GAIA_VIZIER http://tapvizier.u-strasbg.fr/TAPVizier/tap

HEASARC_TAP http://heasarc.gsfc.nasa.gov/xamin/vo/tap The HEASARC is NASA domain

SIMBAD_TAP http://simbad.u-strasbg.fr:80/simbad/sim-tap This service provides T

WISE http://wfaudata.roe.ac.uk/wise-dsa/TAP NASA's Wide-field Infrared Survey E

cadc.nrc.ca/tap http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/tap

CADC2 http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/tap2

ObsTAP http://cdsarc.u-strasbg.fr/saadavizier.tap/tap

TAPVizier http://tapvizier.u-strasbg.fr/TAPVizier/tap This service provides TAP

Data access

Location 05:19:32.82 -04:51:03.4

Frame CRS

Projection Sinus

ALADIN

Collections → 19454
 Image → 300
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DSS colored

Aladin's TAP clients

How are the servers configured?

- Tap server list
- Glu additions

Select a tap server or job

Select server Async jobs

Filter: Go Reset

- ☐ SDSSDR2_SPECTRA ::http://jvo.nao.ac.jp/skynode/do/tap/sdss
- ☐ swire ::http://jvo.nao.ac.jp/skynode/do/tap/swire
- ☐ SubaruHDS ::http://jvo.nao.ac.jp/skynode/do/tap/hds
- ☐ TWOMASS_JVO ::http://jvo.nao.ac.jp/skynode/do/tap/twomass
- ☐ NASADUSTCAT ::http://ia2-tap.oats.inaf.it:8080/epntap
- ☒ GAIA_ARI ::http://gaia.ari.uni-heidelberg.de/tap
- ☐ GAIA_VIZIER ::http://tapvizier.u-strasbg.fr/TAPVizier/tap
- ☐ HEASARC_TAP ::http://heasarc.gsfc.nasa.gov/xamin/vo/tap
- ☒ SIMBAD_TAP ::http://simbad.u-strasbg.fr:80/simbad/sim-tap
- ☐ WISE ::http://wfaudata.roe.ac.uk/wise-dsa/TAP
- ☐ cadc.nrc.ca/tap ::http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/tap
- ☐ CAD2 ::http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/tap2
- ☐ ObsTAP ::http://cdsarc.u-strasbg.fr/saadavizier.tap/tap
- ☐ TAPVizier ::http://tapvizier.u-strasbg.fr/TAPVizier/tap

LOAD RELOAD Close

```

%A NASADUSTCAT
%Aladin.Label      NASADUSTCAT
%S ALATAP
%U http://ia2-tap.oats.inaf.it:8080/epntap
  
```

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The screenshot displays the Aladin TAP client interface. On the left, a 'Data access' sidebar shows a directory tree with 'Collections' expanded to 12154. A red circle highlights the 'Collections' folder, and a red arrow points to the 'Unsupervised' sub-item. The main window shows a 'DSS colored' astronomical image of a nebula. The top status bar indicates the location as '20:52:28.84 + 30:31:50.0'. The right-hand control panel includes a 'select' button, a list of tools (pan, zoom, dist, phot, draw, tag, spect, filter, cross, x-y, rgb, assoc, crop, cont, pixel, prop, del), and a 'DSS colored' layer selection. Below the main image, a coordinate box shows '4.153° x 3.429°'. At the bottom right, a small inset shows a celestial map with a red dot indicating the current view's position.

Aladin's TAP clients

- Loading TAP from directory tree...

Data access

Location 20:52:28.84 +30:31:50.0

Frame ICRS

Projection Sinus



Collections → 19454
Image → 300
Data base → 2
Catalog → 17110
Cube → 6
Outreach → 1
Unsupervised → 2035

DSS colored

Aladin's TAP clients



Imagine your eye looking through a stack of planes.

Each plane contains its own data set: image, catalog, graphical overlays...

You see the combination of them.

Use File->Open for discovering all other data, or clic & drag your own files.

- Loading TAP from directory tree...

Directory tree

Location 10:18:26.54 -27:01:20.3

Data collections → 159 / 19449

Data base → 1 / 2

SIMBAD Astronomical Database

Catalog → 132 / 17091

CDS VizieR → 132 / 17091

II-Photometric Data

Photoelectric observations

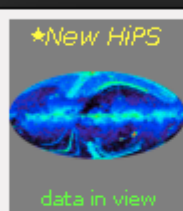
III-Spectroscopic Data

Spectrophotometry

Radial Velocities of Cepheids

Catalogue of neutral He lines of B-stars

Catalogue of H line profiles of 235 B-F stars



CDS/Simbad (more...)

★New HiPS SIMBAD Astronomical Database (more...)

Provenance: CNRS/Unistra

Sky coverage: 19.06% Pub.year: 2000

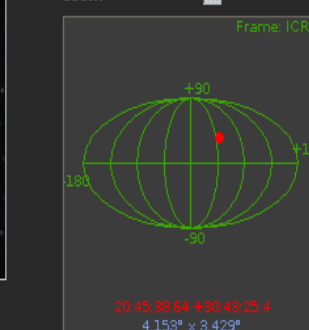
☐ HiPS ☐ Cone search ☐ MOC search ☒ TAP + ☐ MOC

Load

Close

DSS colored

prop epoch - +
size - +
dens. - +
opac. - +
zoom - +



Data access

Location 20:52:28.84 +30:31:50.0

Frame ICRS

Projection Sinus



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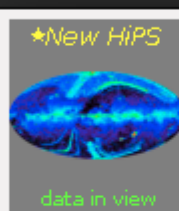
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★New HiPS

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Provenance: CNRS/Unistra

Sky coverage: 19.06% Pub.year: 2000

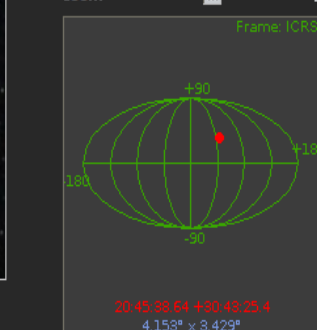
☐ HiPS ☐ Cone search ☐ MOC search ☒ TAP + ☐ MOCCDS/Simbad ([more...](#))

Load

Close

DSS colored

prop epoch - +
size - +
dens. - +
opac. - +
zoom - +



- Collections → 19454
 - Image → 300
 - Data base → 2
 - Catalog → 17110
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 - Outreach → 1
 - Unsupervised → 2035

DSS colored

Aladin's TAP clients

- Loading TAP from directory tree...



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TAP access with CDS/Simbad

● CDS/Simbad ?

Construct your query, verify and execute.

Table: flux Set ra, dec Join Upload

Select: ☒ All Constraints: Add new Max rows: 100

oidref
filter
flux

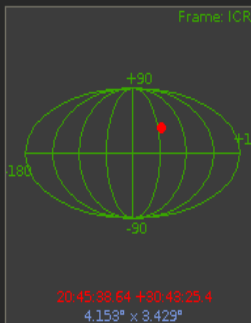
Refresh query Check.. SYNC Async jobs>>

SELECT TOP 100 * FROM flux

Submit

☒ DSS colored

epoch -
size -
dens. -
opac. -
zoom -



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Conclusions

- Improve usability
 - Using of interface and/or writing GLU records
 - Different modes coming up
- Glu upload
- Join