

Datalink and TAP in Aladin

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Datalink handling in Aladin

- 1.Demo for CADC
- 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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8>Loading TAP from directory tree

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Datalink handling in Aladin

The screenshot shows the Aladin software interface. The main window displays a star map with a coordinate grid. A legend in the top-left corner indicates 'Outreach → 1' and 'Unsupervised → 2051'. On the right side, there is a vertical toolbar with various icons for zooming, drawing, filtering, and other functions. Below the toolbar, a panel titled 'dataloader (2)' shows two entries: 'DSS colored' and 'Frame ICES'. The bottom left contains a query builder with 'select' and 'from' fields, and a table showing three rows of data. The bottom right shows a circular plot with concentric rings and numerical values.

Legend:

- Outreach → 1
- Unsupervised → 2051

Toolbar:

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

dataloader (2)

DSS colored

Frame ICES

Epoch -

Size -

Dens. -

Opac. -

Zoom -

Search

6.021° x 4.882°

select [redacted]
from -- All collections -- +
grid study wink north hdr multiview match
filter exp inside scan

ID	access url	service def	error message	semantics	description	content type	content length	readable
caom:CFHT/1021	v2 cske69a6u..			#this		application/fits	289776960	true
caom:CFHT/1021		soda-0420a3e4		#cutout		application/fits		true
caom:CFHT/1021		soda-7ba83967		#cutout		application/fits		true

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Datalink handling in Aladin

File Edit Image Catalog Overlay Coverage Tool View Interop Help

Data access → 2 / 19454 Location 05:22:19.18 -09:56:26.5 Frame ICRS Projection Sinus

DSS SDSS 2MASS WISE GALEX PLANCK AKARI XMM Fermi Gaia Simbad NED +

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

DSS colored

Mouse controls:

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

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

CFHT 2MASS IRIS

5° 35.04° x 22.46°

CADC SIAv2 - access_url - URL to download the data

Search

sl	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/votable?&access_type=raw&access_id=00000000-0000-2013-08-21T17:4	application/x-votable+xml	1008000 bytes	00000000-0000-2013-08-21T17:4	2013-08-21T17:4
1				phot.count	http://www.cadc.nrc.ca/sia/votable?&access_type=raw&access_id=00000000-0000-2015-07-01T19:4	application/x-votable+xml	1008000 bytes	00000000-0000-2015-07-01T19:4	2015-07-01T19:4
1				phot.count	http://www.cadc.nrc.ca/sia/votable?&access_type=raw&access_id=00000000-0000-2015-07-01T20:0	application/x-votable+xml	1008000 bytes	00000000-0000-2015-07-01T20:0	2015-07-01T20:0
1				phot.count	http://www.cadc.nrc.ca/sia/votable?&access_type=raw&access_id=00000000-0000-2016-01-07T10:2	application/x-votable+xml	1008000 bytes	00000000-0000-2016-01-07T10:2	2016-01-07T10:2
1				phot.count	http://www.cadc.nrc.ca/sia/votable?&access_type=raw&access_id=00000000-0000-2015-07-01T19:3	application/x-votable+xml	1008000 bytes	00000000-0000-2015-07-01T19:3	2015-07-01T19:3
1				phot.count	http://www.cadc.nrc.ca/sia/votable?&access_type=raw&access_id=00000000-0000-2016-01-07T10:2	application/x-votable+xml	1008000 bytes	00000000-0000-2016-01-07T10:2	2016-01-07T10:2
1				phot.count	http://www.cadc.nrc.ca/sia/votable?&access_type=raw&access_id=00000000-0000-2016-01-07T10:4	application/x-votable+xml	1008000 bytes	00000000-0000-2016-01-07T10:4	2016-01-07T10:4

select cadc.nrc
 from -- All collections --

grid study wink north hdr multiview match

Frame ICRS

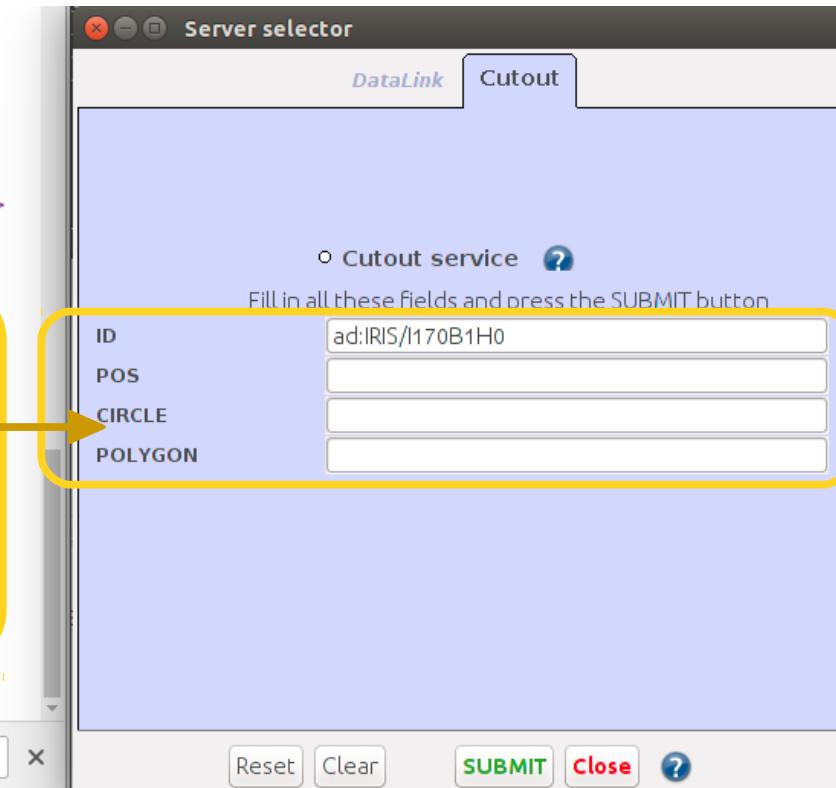
05:22:19.59 -09:56:34.8
 35.04° x 22.46°

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22 sel / 1022 src 577Mb

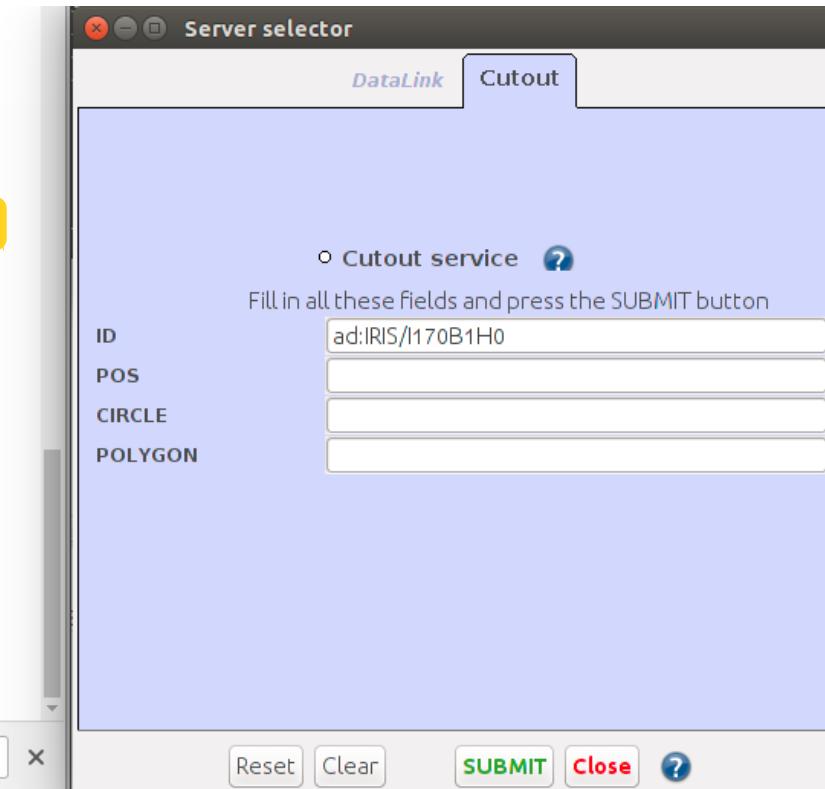
Datalink handling in Aladin

```
<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="adhoc: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-ihc.nrc-
  cadc.nrc.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 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="adhoc:service">
<PARAM name="resourceIdentifier" datatype="char" arraysize="20" value="ivo://caid.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="50" value="http://www.caide-cdaa.nrao.nrc-
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>
```



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Datalink handling in Aladin

```
<TD>
  http://www.cadc-ccda.hia-iha.nrc-cnrc.gc.ca/caom2ops/datalink?runid=ox66cf6nd5ws fxx6&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	obscore:Char.SpectralAxis....			
27	<input checked="" type="checkbox"/>		Spectral co...	stop spectral coordinate v...	m	double	em.wl;stat.max	obscore:Char.SpectralAxis....			
28	<input checked="" type="checkbox"/>		em_res_power	typical spectral resolution		double	spect.resolution	obscore:Char.SpectralAxis....			
29	<input checked="" type="checkbox"/>		em_xel	dimensions (number of pix...		long	meta.number	obscore:Char.SpectralAxis....			
30	<input checked="" type="checkbox"/>		em_ucd	UCD describing the spectr...		char	meta.ucd	obscore:Char.SpectralAxis....	32*		
31	<input checked="" type="checkbox"/>		pol_states	polarization states presen...		char	meta.code;ph...	obscore:Char.PolarizationA...	32*		
32	<input checked="" type="checkbox"/>		pol_xel	dimensions (number of pix...		long	meta.number	obscore:Char.PolarizationA...			
33	<input checked="" type="checkbox"/>		o_ucd	UCD describing the obser...		char	meta.ucd	obscore:Char.ObservableA...	32*		
34	<input checked="" type="checkbox"/>		access_url	URL to download the data		char	meta.ref.url	obscore:Access.Reference	*		
35	<input checked="" type="checkbox"/>		access_format	Format of the data file(s)		char	meta.code.mi...	obscore:Access.Format	128*		
36	<input checked="" type="checkbox"/>		access_estsize	estimated size of the dow...	kbyte	long	phys.size;meta...	obscore: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-iha.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"/>		acces_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 (\o...		short	phot.calib;ancil...			1	
5	<input checked="" type="checkbox"/>		core_id	primary key (\original{cor...		char	meta.id.part;...			36	
6	<input checked="" type="checkbox"/>		dataproduct_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	
...	<input checked="" type="checkbox"/>								*

Select all

Unselect all

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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



★DSS ★SDSS ★2MASS ★WISE ★GALEX ★PLANCK ★AKARI ★XMM ★Fermi ★Gaia ★Simbad ★NED +

- _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 you mouse pointer on an object for discovering associated Simbad data.

Upload to SIMBAD_TAP

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

Upload server: SIMBAD_TAP

Browse...

 Local file Already loaded file: SIMBAD_TAP

Table name suffix: AladinTable13

Load table

Upload server ?

Construct your query, verify and execute.

Table: TAP_UPLOAD.AladinTable9

Discard table

Set ra, dec

Join

Select: All

Constraints: Add new

Max rows: 100

coo_bibcode
coo_err_angle
coo_err_maj
coo_err_maj_pr
coo_err_min

Target 05 20 32.13 -05 25 29.5

Grab

Radius 9.037'

CIRCLE

Add

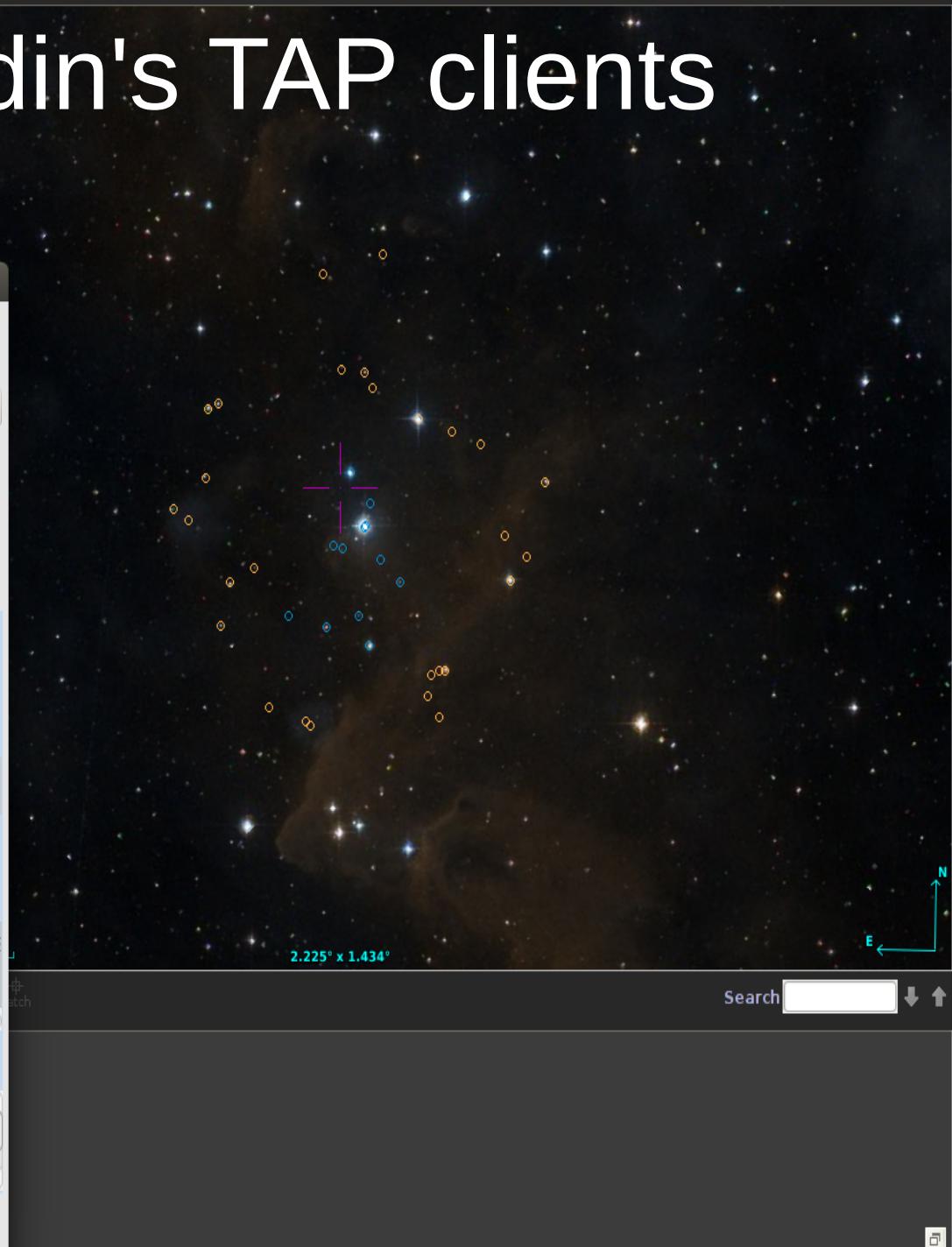
Ra= 80.1338749999999 Dec= -5.42486111111111 Radius= 0.15

Refresh query Check.. SYNC Async jobs>>

```
SELECT TOP 100 * FROM TAP_UPLOAD.AladinTable9 WHERE CONTAINS(POINT('ICRS', ra, dec), CIRCLE('ICRS', 80.1338749999999, -5.42486111111111, 0.1506166666666668)) = 1
```

Submit

Discard all



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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... Photo... Others...

SLOAN SDSS DR12

SLOAN SDSS DR12 catalog ?
Fill in all these fields and press the SUBMIT button

Target (ICRS, name) SAO70467 Grab co...
Radius 3° INFO on this serv...

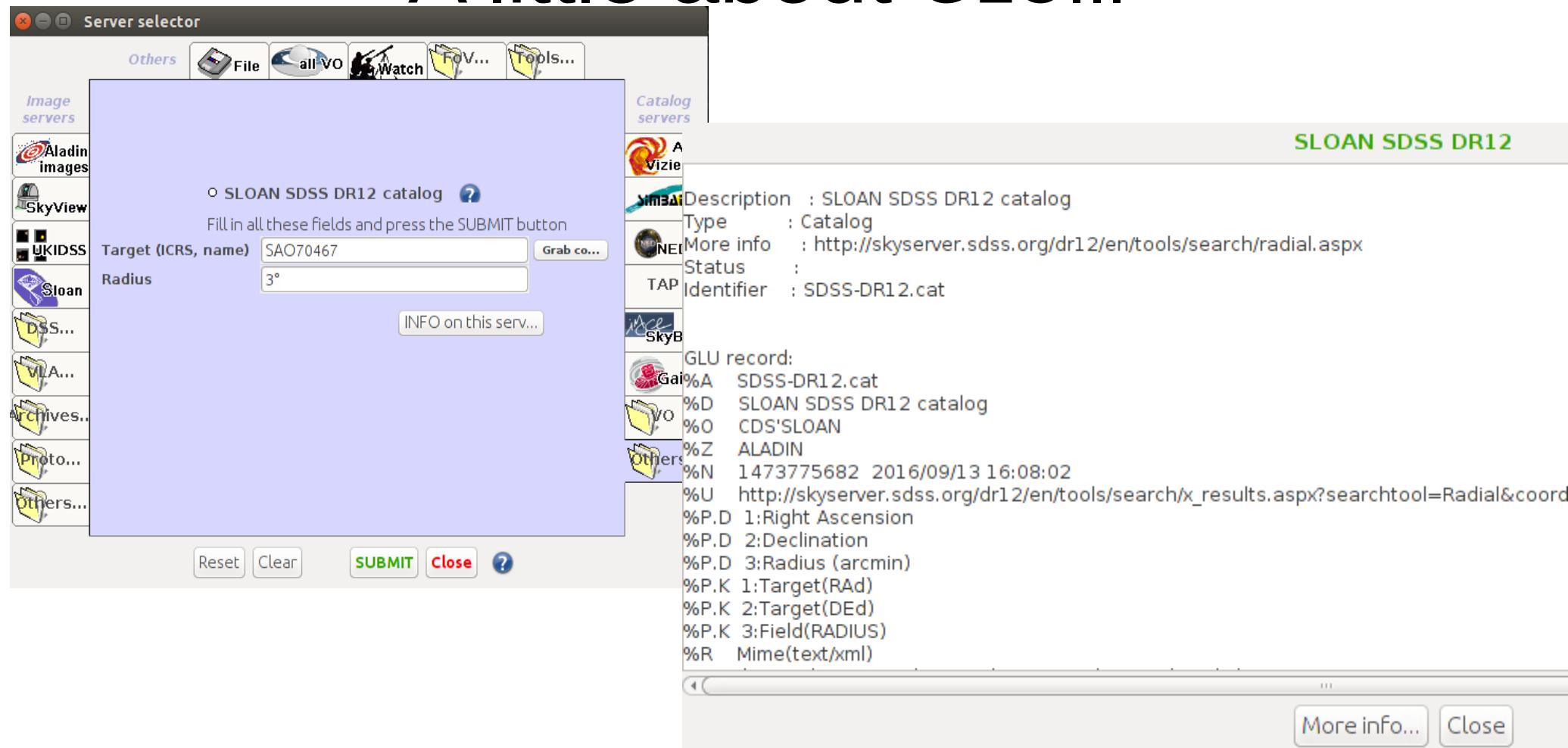
Reset Clear SUBMIT Close ?

Catalog servers

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

SkyB GLU record:
Gai%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)

More info... Close



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  
%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 <http://simbad.u-strasbg.fr:80/simbad/sim-tap/async/1487864353616>

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: {tapexecereport={"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: <http://simbad.u-strasbg.fr:80/simbad/sim-tap/async/1487864353616/results/result>

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

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

Frame CRS

Projection Sinus

ALADIN

★DSS ★SDSS ★2MASS ★WISE ★GALEX ★PLANCK ★AKARI ★XMM ★Fermi ★Gaia ★Simbad ★NED +

DSS colored

Aladin's TAP clients

How are the servers configured?

- Tap server list
- Glu additions

```
#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 TAP
WISE http://wfaudata.roe.ac.uk/wise-dsa/TAP NASA's Wide-field Infrared Survey Explorer
cdac.nrc.ca/tap http://www.cadc-ccda.hia-iha.nrc-cnrc.gc.ca/tap
CADC2 http://www.cadc-ccda.hia-iha.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
```

Select a tap server or job

Select server

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://la2-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
- cdac.nrc.ca/tap ::http://www.cadc-ccda.hia-iha.nrc-cnrc.gc.ca/tap
- CADC2 ::http://www.cadc-ccda.hia-iha.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

DSS colored

X del epoch - size - dens. - opac. - zoom -

Search

select
from -- All collections -- +
filter exp inside scan

Data access

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

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

Frame CRS

Projection Sinus

ALADIN

★DSS ★SDSS ★2MASS ★WISE ★GALEX ★PLANCK ★AKARI ★XMM ★Fermi ★Gaia ★Simbad ★NED +

DSS colored

Aladin's TAP clients

How are the servers configured?

- Tap server list
- Glu additions

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

NASADUSTCAT

select

from -- All collections --

filter exp inside scan

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-iha.nrc-cnrc.gc.ca/tap
- CADC2 ::http://www.cadc-ccda.hia-iha.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

DSS colored

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

Search

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

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- 5.Glu tap client
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- 9.Conclusions



Data access

- Location 20:52:28.84 +30:31:50.0
- Frame ICRS
- Projection Sinus

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.

select

from -- All collections --

1°

4.153° x 3.429°

grid study winc north hdr multiview match

filter exp inside scan

DSS colored

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

Frame: ICRS

+90
180
-90
+180
N
E

20:45:00.64 +30:43:25.4
4.153° x 3.429°

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0 sel / 0 src 4fps 198Mb

- Loading TAP from directory tree...



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DSS colored

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- Loading TAP from directory tree...

Directory tree

- Data collections → 159 / 19449
- Data base → 1 / 2
 - SIMBAD Astronomical Database (more...)**
- Catalog → 132 / 17091
 - CDS VizieR → 132 / 170
 - II-Photometric Data
 - Photoelectric ob
 - III-Spectroscopic Dat
 - Spectrophotome
 - Radial Velocities of Cepheids
 - Catalogue of neutral He lines of B-stars
 - Catalogue of H line profiles of 235 B-F stars

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

DSS colored

SIMBAD Astronomical Database (more...)
Provenance: CNRS/Unistra
Sky coverage: 19.06% Pub.year: 2000

HiPS Cone search MOC search TAP MOC

B Load Close

select _____
from -- All collections -- +

grid study winc north hdr multiview match

epoch size dens. opac. zoom

N E

Frame: ICRS

+90 +18 180 -90 -18 0

20:45:00.64 +30:43:25.4
4.153° x 3.429°

0 sel / 0 src 4fps 198Mb



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DSS colored

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N E

Frame: ICRS

+90 +18 180 -90 -18 0

20:45:00.64 +30:43:25.4
4.153° x 3.429°

0 sel / 0 src 4fps 198Mb



Data access

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

Frame ICRS

Projection Sinus



+ DSS + SDSS + 2MASS + WISE + GALEX + PLANCK + AKARI + XMM + Fermi + Gaia + Simbad + NED +

DSS colored

Aladin's TAP clients

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discovering all other data,
or clic & drag your own files.

draw



A tag

- Loading TAP from directory tree...

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

select from -- All collections -- +

grid study wink north hdr multiview match

filter exp inside scan

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

Frame ICRS Projection Sinus

DSS colored

epoch size dens. opac. zoom

Frame: ICRS

+90 +18 180 -90 -18

20:45:00.64 +30:43:25.4 4.153° x 3.429°

E

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Conclusions

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