

TAP in DSA/Catalogue

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DSA/Catalog does TAP

- AstroGrid DSA/Catalog service-component \Rightarrow can be configured on “any” RDBMS
- TAP introduced in v2009.1.01
- Current release v2009.1.02
- Expecting v2009.1.03 this week

Done in v2009.1.02

- ADQL query
- UWS
- VOSI

Not done yet

- PQL
- Table upload
- TAP schema

Get the software

- Download:
 - <http://www.astrogrid.org/maven2/org/astrogrid/astrogrid-dsa-catalog/2009.1.02/astrogrid-dsa-catalog-2009.1.02.war>
- Documentation
 - <http://software.astrogrid.org/doc/p/dsa/2009.1.02/dsa-catalog/>

In the wild

The screenshot shows the VO Explorer interface for Hipparcos. The main window displays a table of 27 resources. The 'Hipparcos catalogue' entry is highlighted with a red circle. Below the table, the 'Actions' panel shows 'TAP Query' circled in red. The 'About' panel provides details for the selected resource.

Flag...	Title	Capability	Valida...	Date
	APFS HIP Simple Query			2008-04-10
	All-sky Compiled Catalogue of 2.5 million stars (Kharchenko+ 2009)		①	2009-09-27
	Faust Far-UV Point Source Catalog			2008-12-24
	Geneva-Copenhagen Survey of Solar neighbourhood (Holmberg+, 2007)		①	2009-07-25
	Geneva-Copenhagen Survey of Solar neighbourhood III (Holmberg+, 2...		①	2009-07-24
	HIC: Hipparcos Input Catalog (LEDAS)			2008-03-26
	HIPPARCOS: Hipparcos Main Catalog (LEDAS)			2008-03-26
	Hipparcos Input Catalog			2008-12-24
	Hipparcos Main Catalog			2008-12-24
	Hipparcos calibration of the TRGB (Fabrigar, 2005)			2008-10-20
	Hipparcos catalogue			2008-10-20
	Hipparcos catalogue			2008-03-06
	Hipparcos catalogue: new reduction			2009-08-14
	Hipparcos catalogue: new reduction			2009-08-14
	NOMAD Catalogue			2007-04-11
	ROSAT All-Sky Survey: A-K Dwarfs/Subgiants			2008-12-24
	ROSAT All-Sky Survey: Nearby Stars			2008-12-24
	Revised Luyten Half-Second (LHS) Catalog			2008-12-24
	SACY (Search for Associations Containing Young Stars) Catalog			2008-12-24
	Symbiotic Stars Catalog			2008-12-24

Hipparcos catalogue
IVOA-ID ivo://uk.ac.cam.ast/newhipparcos-dsa-catalog/HIPPARCOS_NEWLY_REDUCED
Resource Type CatalogService Created 2008-03-06 Updated 2008-10-20

Content Type catalog Level research
This is the DSA installation for the newly reduced Hipparcos Astrometric catalogue. It accesses a mysql database containing the tables from the Hipparcos catalogue. See Van Leeuwen, F., 2007, Hipparcos, the New Reduction of the Raw Data, Springer, Dordrecht (publication date: 4 October 2007) for more information. [Further Information...](#)

- There are 4 similar services registered

Implementation experience

Easy:

- ADQL (using the Lusted parser)
- VOSI
- ADQL/UWS client (in next VODesktop)

Non-trivial:

- UWS service

In prospect

Easy:

- PQL service

Non-trivial:

- TAP schema

Scary:

- Table upload
- PQL client (UI part)