

IVOA plenary session

UCD

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UCD Documentation

3 papers:

- ⇒ Main UCD document (currently v1.03)
 - Syntax
 - Meaning
 - Usage
- ⇒ List of reference words (v0.1, will evolve)
- ⇒ EM spectrum (merge with list of words?)

UCD1+

- ⇒ Atoms: error mag phot stat
- ⇒ **Words**: phot.mag stat.error
- ⇒ UCD1+ words or combinations
 - stat.error;phot.mag

- ⇒ ~430 different words

- ⇒ Need ~600 UCD1+ built from these words to describe 120,000 columns in VizieR

Root atoms

⇒ arith

⇒ em

⇒ instr

⇒ meta

⇒ obs

⇒ phot

⇒ phys

⇒ pos

⇒ spect

⇒ src

⇒ stat

⇒ time

cf. Note for list of reference words

Transition from UCD to UCD1+

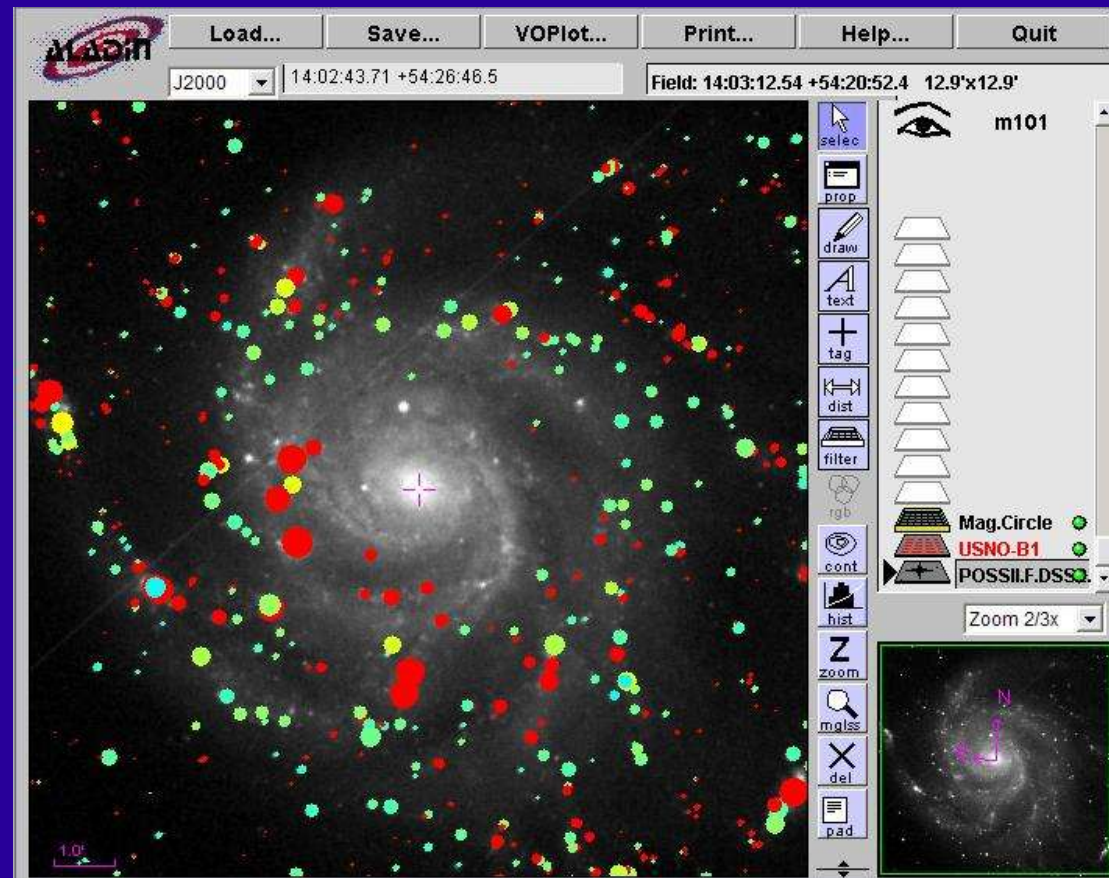
- ⇒ This is a 1-to-N mapping
 - ERROR -> stat.error;*****
- ⇒ Settling list of UCD1+ words (feedback!)
 - add new words (em.wavenumber, ...)
 - define words for enumerated lists ?
- ⇒ Are there too generic UCDs ?
 - stat.param obs.param
- ⇒ Cases where no UCD exist/needed
 - meta.cryptic ... or leave blank

Use of UCDs (1)

- ➔ As universal column names (cone search)
- ➔ Filters:

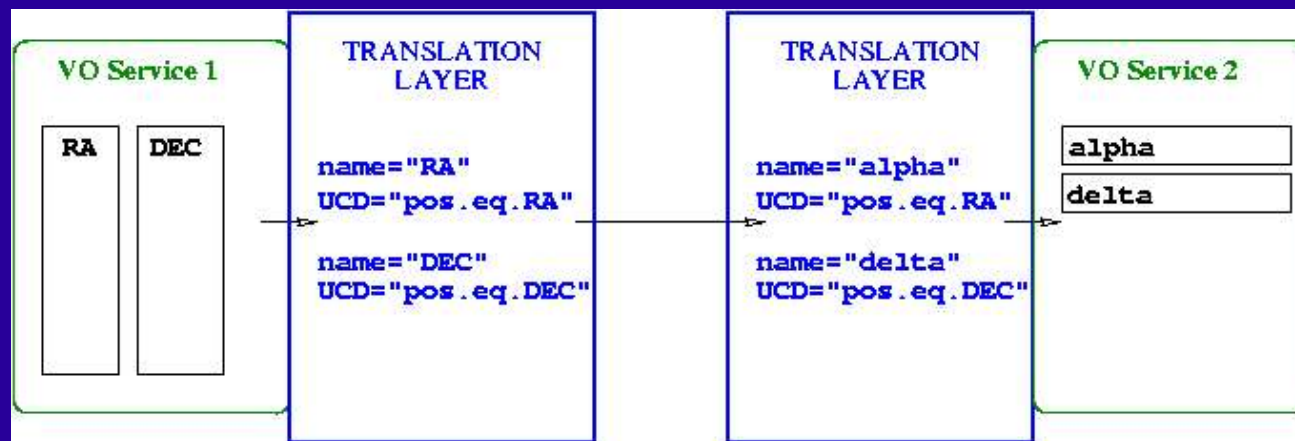
$\$[\text{phot.mag.*}] < 16$

UCD → predefined filters
« best guess »



Use of UCDs (2)

- ⇒ Use in registry: locate catalogues based on contents
 - User says : « B magnitude »
 - Gets resolved in: phot.mag;em.opt.B
 - Relevant datasets located
 - Load data in, e.g. SED tool (best guess)
- ⇒ Use of wildcards (UCD as strings)
- ⇒ Translation layer



UCD services

<http://cdsweb.u-strasbg.fr/UCD/>

- ⇒ Explore the list of words
- ⇒ Natural language to UCD
- ⇒ Help assign UCD to dataset
- ⇒ Feedback form
 - mailing list
 - on-line form



Comments on UCDs - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <http://vizier.u-strasbg.fr/UCD/cgi-bin/comment/ucdComments> Search Print

Home Bookmarks mozilla.org Latest Builds Google



Comments on UCDs



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You can leave on this page feedback on UCDs.

For example, suggest the creation of new UCDs, or propose to modify or remove existing ones.

The comments on this page can be reviewed and commented by people from the UCD steering comitee. These contributions will be used to gradually improve the UCD1+.

Please check first the [existing list](#) of UCD1+.

- Click on the <Answer> button to vote (for or against) existing suggestions.
- [Click here](#) to add a new comment on this page.

The last comments are listed below. Green backgrounds are for suggested new UCDs, orange corresponds to modifications, and red to suppressions.

You can reload this page, sorting contributions by

UCD	Definition	Remarks	Sugg. by	Date	Answer
?	Use this form to send feedback on UCDs...		Sebastien Derriere	2004/05/18 18:16:48	<input type="button" value="answer"/>
meta.cryptic	This can be used for very exotic quantities, when no proper UCD exists	This replaces meta.bull***	Sebastien Derriere	2004/05/19 18:25:22	<input type="button" value="answer"/>
	You can reply to suggesions		Sebastien Derriere	2004/05/19 18:25:58	Yes
src.veloc.orbit		There is already src.orbital.veloc for this concept !	Andrea Preite Martinez	2004/05/19 18:36:43	<input type="button" value="answer"/>

[Add an entry to this list](#)

Done

démarrer Open Archives ... Comments on ... Open Archives ... ECHANGE (E:) ucd-boston.txt ... EN 20:29

Questions

- ⇒ Representing photometric colors:
 - phot.color;em.opt.B;em.opt.V means B-V
- ⇒ Adding semicolon after every word
- ⇒ UCD for SIAP
 - pos.eq.ra;meta.main (if exists, else pos.eq.ra)
 - logical name
- ⇒ UCD for SSAP
 - logarithm of a quantity (in units?)
 - stat.error.sys
 - word for interval
 - better description of curation metadata (cf. RM doc)

Actions

- ⇒ Minor modifications to UCD 1.03, and promote to PR
- ⇒ Improve list of words, and achieve v1.0 quickly
- ⇒ DT: write SIAP 1.1 document
- ⇒ RW: propose UCD1+ for SIAP 1.1 and iterate with UCD committee
- ⇒ JCM: send SSAP UCDs to UCD committee