

Observation Core Components DM ObsTAP implementation v 1.1 & VO Examples Repository

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and the IVOA DataModel working group

Proposed Recommendation status

- New updated version next week at http://www.ivoa.net/documents/ObsCore/index.html
- Upgrade of reference implementations

Please review and comment

Diagnostics by Operations WG

- ✓ XMM-Xcat DB ObsTAP service updated → Taplint test OK
- ✓ CADC ObsTAP service
- Catalog / source list as a new dataproduct type
 - A natural depency between a source list to its original observation (image)
 - Not for catalogs compiling several observations
 - Should we extend more in future models? Line lists for spectra, and hyperspectral data cubes use dataproduct_subtype

ObsCore Document update

- Follow-up on comments given
 See answers from authors on the RFC page
- Changes between 1.0 and this version (currently named 1.1)
 - UCD correction: s_region mapped to a new term: pos.outline;obs.field
 - Utype strings correction : Some based on STC
 - New terms for axes length *s_xel*, *t_xel*, *em_xel*, *pol_xel*
 - Update of the query response example (xml text)
- Improve the Use-case Appendix
 - More use-cases for axis dimensions and increased clarity
- ? How to be more didactic with VO specifications?

A Live Doc Repository for VO Queries

http://saada.unistra.fr/voexamples/

Coffee break spin off in Sydney interop 2016

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ObsCore Implementation as a Typical Case

- ivoa.obscore is a flattened view on a complex model
 - *Obscore* is structured from various underlying models
- Getting the best from this model assumes running complex queries
 - Searching vs multiple criteria
 - Using realistic parameter ranges
 - Operating self joins on the *Obscore* table
- IVOA documents are not the best suited place to expose complex queries
 - Too long a document
 - No live example
 - Not easy to extend

Proposal for a VO Example Repository

- Based on the requirements expressed for the VO standard documents
 - Expliciting working queries on real archives
- Evolving content
 - Can be enriched over the years
 - Facilitates integration of new usage scenarii
 - Meant to aggregate community feedback
- Appropriate to various contexts
 - DAL queries
 - DM usages: Model snippets, Serialization examples
 - Other...

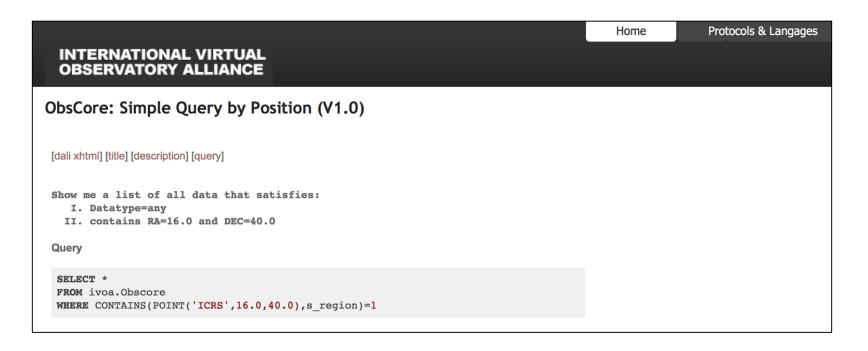
Expected Benefits

- Guiding users
 - Both browsable and searchable Web site
 - Referenced in IVOA documents
- Helping developers
 - Provide search templates for designing query forms
 - Can be used as a test suite
- Usable for feeding contextual help facilities of VO tools
- **Continuation** of DALI example capabilities

```
<div vocab="ivo://ivoa.net/std/DALl#examples">
    <div id="x" resource="#x" typeof="example"> ...... </div>
    <a property="continuation" href="http://saada.unistra.fr/voexamples/dali/ObsCore/simple1"> Simple example </a>
</div>
```

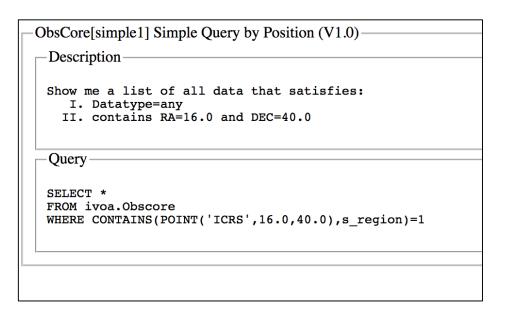
Rich layout

CSS duplicated from ivoa.net



Basic Layout

- No CSS
 - CSS are allowed by DALI but possibly not supported by display panel (SWING e.g.)
 - Items can be retrieved individually as text strings.



Future and Ongoing Developments

- Full text search engine
- Anchors pointing on live services
- Pointers to the standard specification documents.
- Online update
 - Allowing referenced users to add/update their examples on-line

Comments, error report and suggestions more than welcome

Thanks!