

Characterisation 2 data model: Why do we need a generic data model ?

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Current Status

- INTERNAL draft upgraded to working draft status today.
- Draft Utype list available next monday.
- Read and comment

Characterisation 2 and other data models

- Characterisation 2 is fully compatible with ObsCore characterisation class (actually the char utypes in Obscore are a subset of char2)
- Characterisation 2 to be compatible with spectrum DM characterisation class
- Characterisation 2 should be compatible with Image Datamodel characterisation class
- There are scientific drivers for datasets types or dataset features outside these 3

Questions we would like to answer in the VO and where Char2 can help

- What's the utype to find out where the PSF of a given image is?
- How can I find the variation map of the spectral resolution of the spectrum I just retrieved from this SSA service?

Questions we would like to answer in the VO and where Char2 can help

- I've got a polarization cube Stokes Parameters
 - Which utype tell me what field in this table give me the flux bounds of Stokes Q plane ?
- Can I describe that resolution in X and resolution in Y are different in this image?

Questions we would like to answer in the VO and where Char2 can help

- What are the limits in energy of this gamma ray event list ?
- Visibility data :
 - What are the bounds in spatial frequencies of this visibility dataset ?
 - What are the spectral bands in this IDI Fits file ?

How to access this metadata ?

- Some of them may be available in the query response of
 - Obstep
 - S*A protocolswith appropriate utypes.
- If not : build serializations in
 - xml (based on char xml schema)
 - VOTABLE (with appropriate utypes)and bound this to DAL query response records using
« Datalink »