VOTECH

Stage 2 meetings

DS6 Stage 1 reports on CDS activities

F.Bonnarel

(in behalf of CDS/Observatoire de Strasbourg)

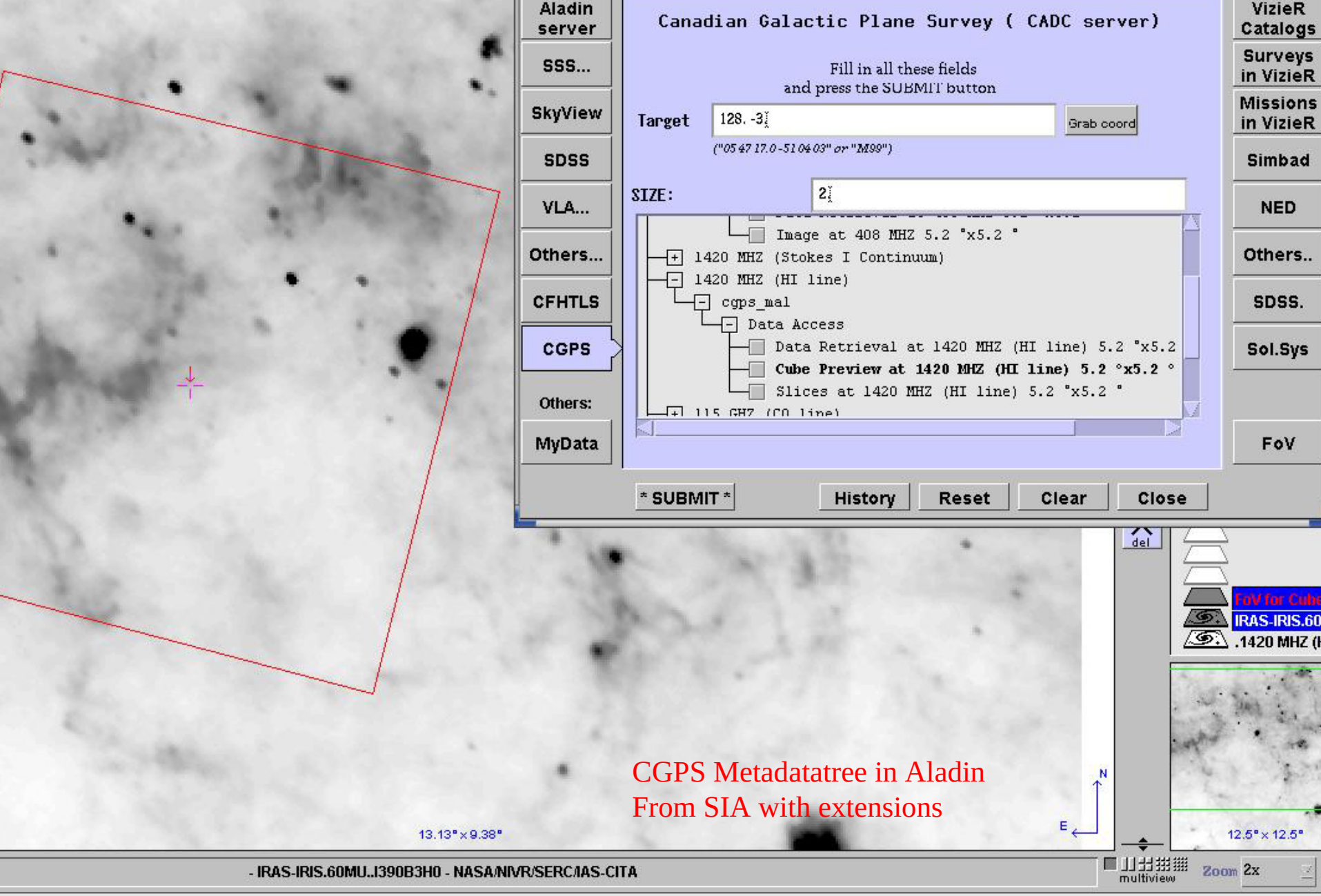
Data visualisation

- VisIVo interfacing with CDS services (VizieR and Aladin)
  - CDS provided assistance to VisiVO team
  - See VisIVo group talk and demo
  - T.Boch, A.Schaaff + others involved

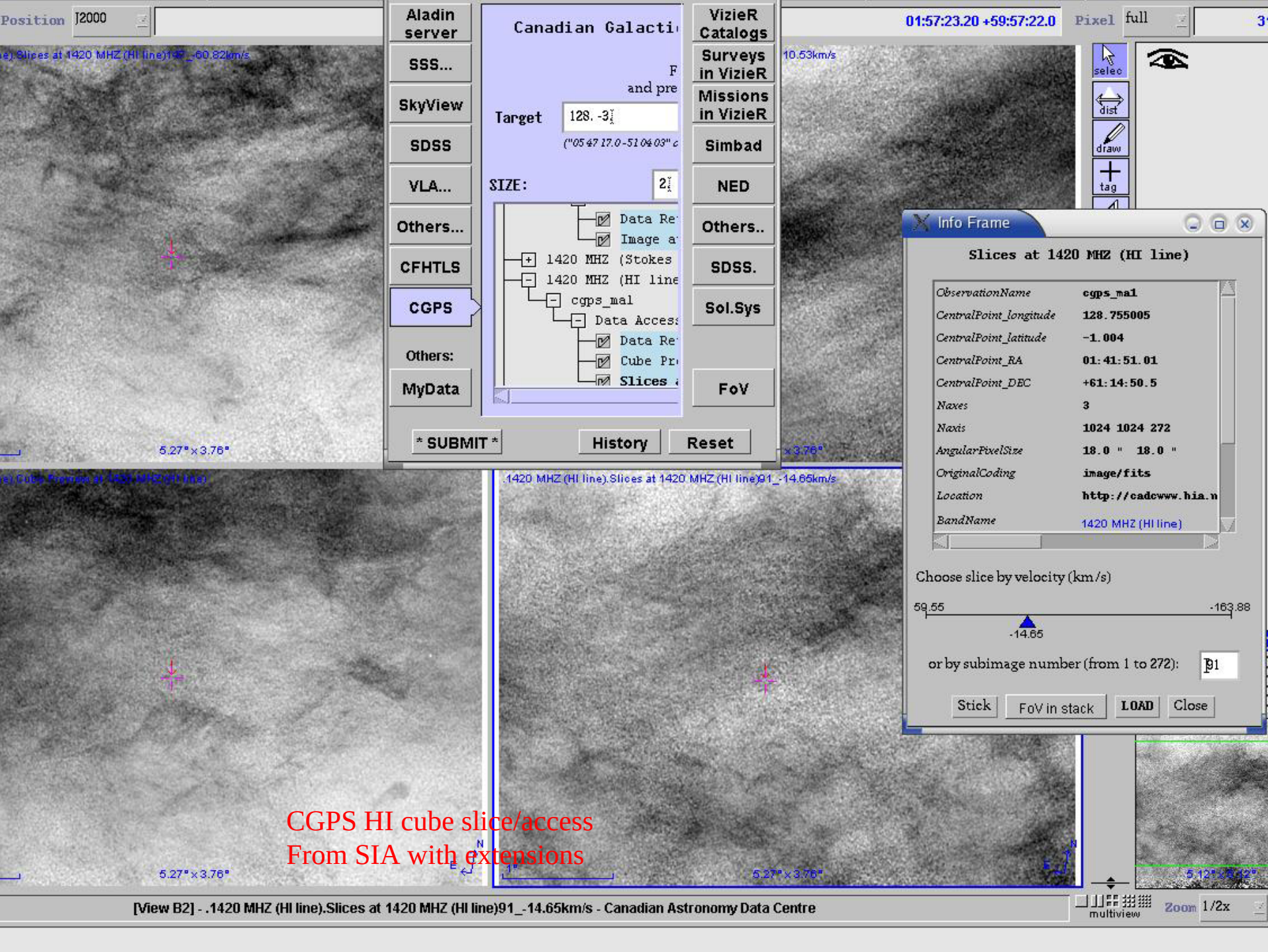
Metadata visualisation

- DAL protocols:
  - Towards SIA 1.1 with an extension mechanism
  - CDS developped this concept in collaboration with A.Richards, ESAC, CADC and ECF.
  - First implementation : CGPS radio cubes at CADC. The service was presented at Kyoto Interop meeting and put on line.
  - Included in SIA1.1 working draft to be presented at Madrid Villafranca Interop nxt month. (T.Boch, F.Bonnarel)
- Characterisation data model
  - A predraft has been presented for Kyoto with new versions of UML diagrams + XML
  - Working draft will be presented at Madrid
  - Discussions and various datatypes checking with A.Richards, VO Frace and Russian VO, ECF, L.Shaw (M Louys + F.Bonnarel)

L.Shaw



CGPS Metadatatree in Aladin
From SIA with extensions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Slices at 1420 MHZ (HI line)
ObservationName cgps_ma1
CentralPoint_longitude 128.755005
CentralPoint_latitude -1.004
CentralPoint_RA 01:41:51.01
CentralPoint_DEC +61:14:50.5
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Choose slice by velocity (km/s)
59.55
-163.88
-14.65
or by subimage number (from 1 to 272):
91
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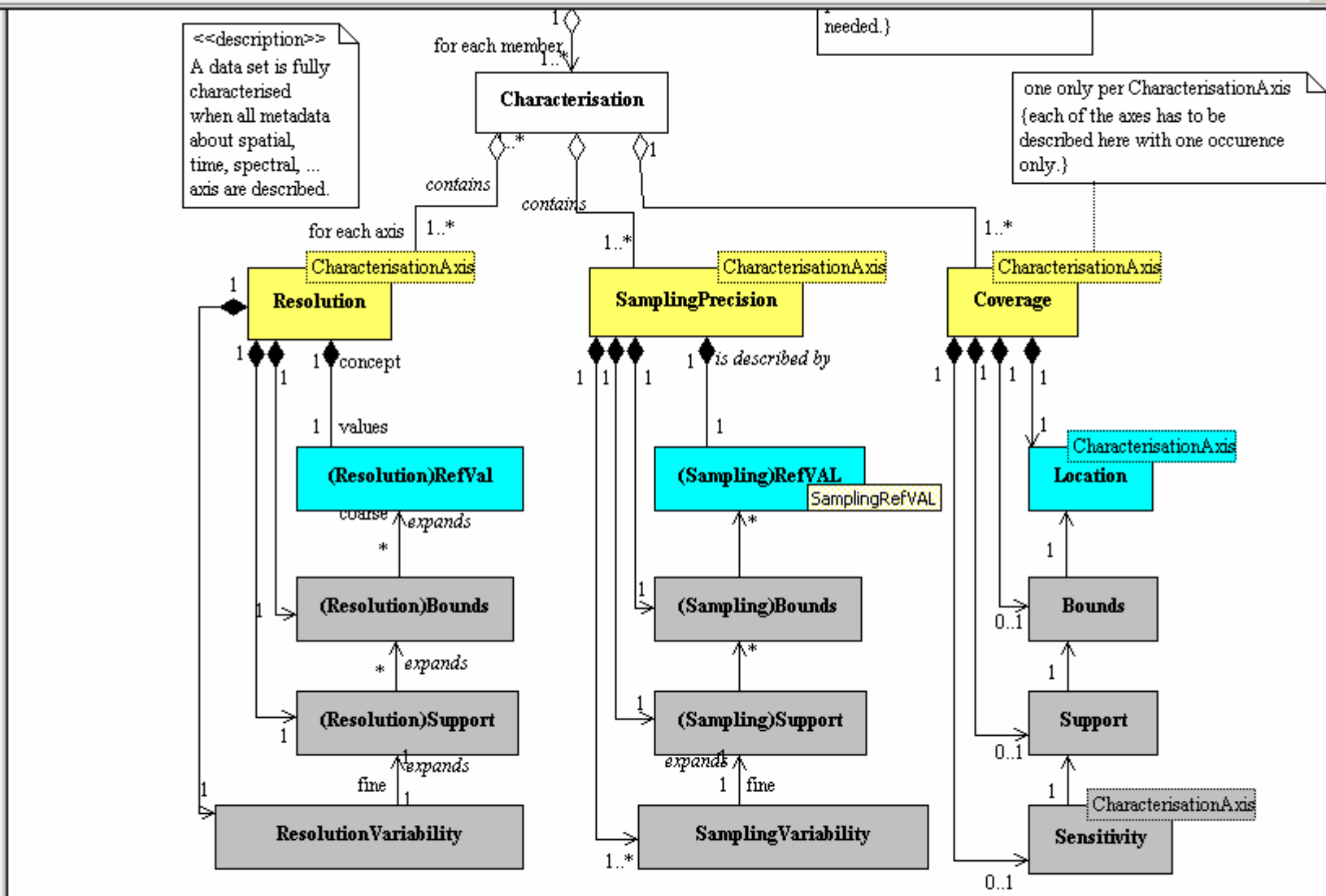
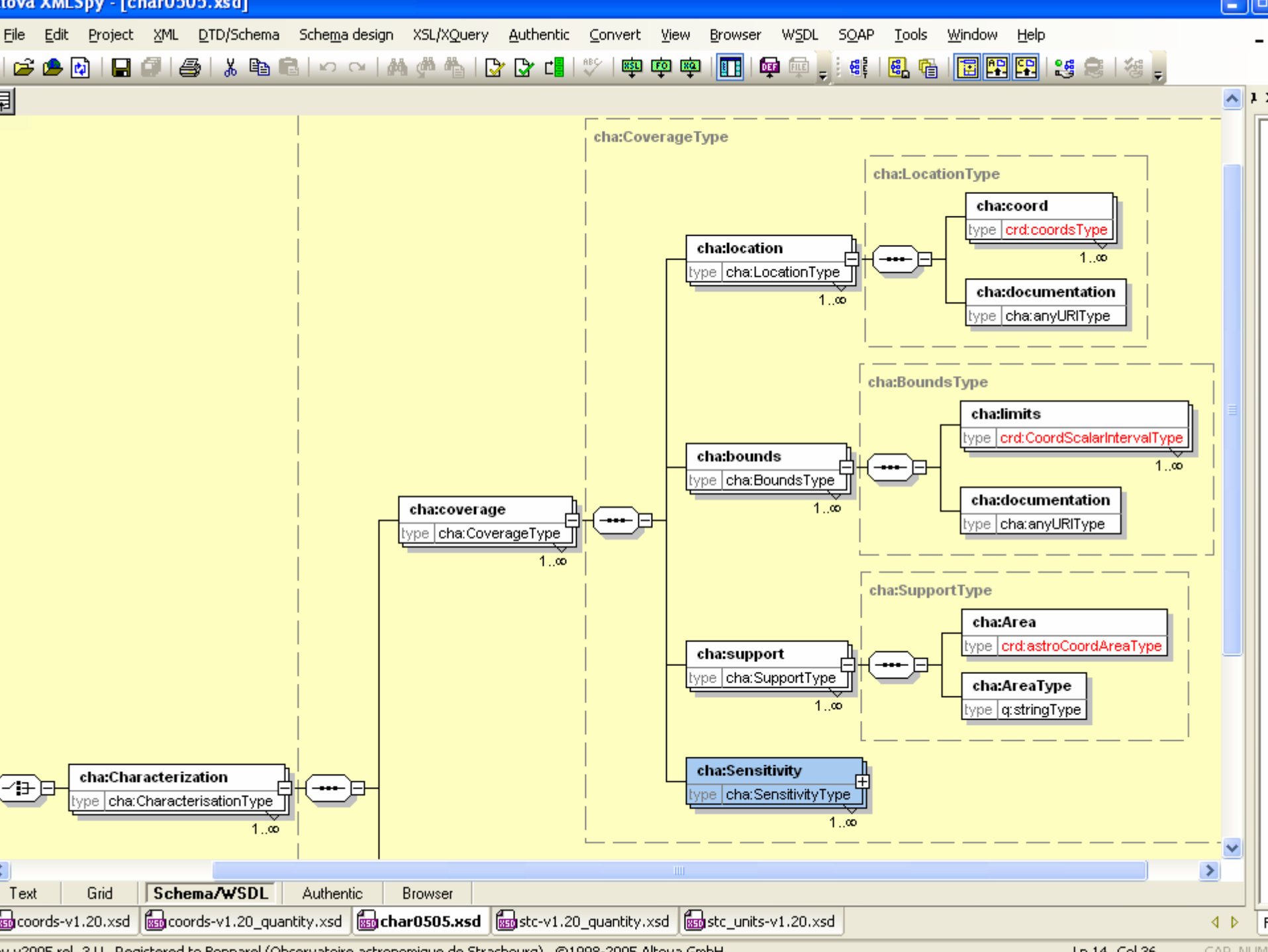
5.27° × 3.76°
CGPS HI cube slice/access
From SIA with extensions
[View B2] - .1420 MHZ (HI line).Slices at 1420 MHZ (HI line)91_-14.65km/s - Canadian Astronomy Data Centre
multiview
Zoom 1/2x



Class diagram : (Analysis)Concepts of Characterisation

Characterization Model UML diagram


File Edit Project XML DTD/Schema Schema design XSL/XQuery Authentic Convert View Browser WSDL SOAP Tools Window Help
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coords-v1.20.xsd coords-v1.20_quantity.xsd char0505.xsd stc-v1.20_quantity.xsd stc_units-v1.20.xsd

Implementation of K-d trees in large catalog databases

- Idea: VizieR is a test-bed
- First teleconf CDS/Bob Nichol on September the 5th
- Large interest on both sides
- Phase 2:
  - B.N provides a documented version of his code to CDS
  - CDS tries to implement as an experiment in VizieR to perform non positional queries
  - Both: search for a good training student.
- Short report to be provide by FB before end September
- People: F Bonnarel, F Ochsenbein …