Applications Working Group
Opening session

action Aladin associated Author based CTA
data dataset describe
developments different discuss dmtype draw either
feature gamma-ray General give HEALPix Indexing
integration issue IVOA java large manage MOC
models Obscore observatory origin possibly
proposal provide query region SAADA SAMP
serialization source spectra tools Unicode used user
VizieR VO VODML VOTable

Chair: Pierre Fernique
Vice-chair: Tom Donaldson

IVOA Interop meeting - Banff - October 2014

Standards

- MOC 1.0 – HEALPix Multi-Order Coverage map
  => Recommendation (Madrid May 2014)

Announcement of the HEALPix developers to integrate MOC support in the official HEALPix distribution.

=> MOC extension already available in java
=> Author asked to some VO people to test and check it

Mailing discussion

- ## Unicode in VOTable issue
  => missing information for properly encoding extending characters (in some cases)

- ## VODML serialization in VOTable
  => How to do it after Madrid agreement ?
  Dmtype ? dmtype+dmrole ? <DMTYPE>+<DMROLE> ?

  => VOTable general discussion during Application session 2 (Sunday morning)

Applications session 1
Friday oct 10 / 11:00–12:30 (Summit)

- Mark Taylor - *Upload crossmatching from TOPCAT*

- Omar Laurino - *A Python implementation of VODML*

- Chenzhou Cui - *AstroCloud, a Whole Lifecycle Management Platform for Astronomical Data Based on Virtual Observatory and Cloud Computing*

- Matthieu Servillat - *VO diffusion for CTA*

- Gilles Landais - *Indexing VizieR associated data with ObsCore*

- François Bonnarel - *Aladin ObsTAP plugin*

Applications session 2
Sunday Oct 12 / 9:00–10:30 (Summit)

- **VOTable issues & proposals =>** *General Discussion*

  1) *Unicode*: issue & proposal

  2) *VODML* serialization: proposals

  3) *Coordinate* specification: state of the art

Applications session 3
Sunday Oct 12 / 11:00–12:30 (Summit)

- Laurent Michel - *Querying by region: from the drawing to the SQL query*

- André Schaaff - *CMOC, a C library to handle MOCs*

- Régis Haigron - *SCubOX, a Spectral Cube Online EXplorer*

- Thomas Boch - *Experimenting dynamic generation of HiPS density maps for large data exploration*

- Hugo Buddelmeijer - *Request-based analysis of large datasets*

- Petr Skoda - *VO-Cloud for Machine Learning*