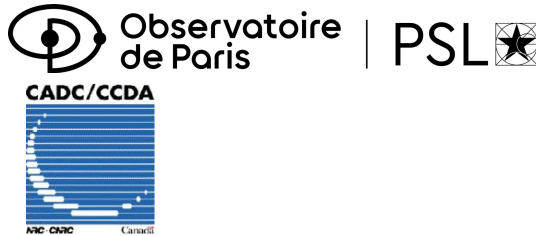


Applications WG Closing Remarks

Pierre Le Sidaner (chair)



Adrian Damian (co-chair)

IVOA Interoperability Meeting, Malta, Nov 2024

Participation

Apps Apps Apps

- 1.5 sessions
- 9 presentations

One DM/Apps join session

Main theme: Parquet

Highlights Session 1 (Friday Nov 15)

HiPS2MOC - generating MOC from constraints on HiPS (Thomas Boch)

- prototype service for creating MOCs from constraints on HiPS tiles pixel values
- demo of the functionality already available in Aladin Desktop

VO at the Limit: Writing a Client for Global TAP Queries (Markus Demleitner)

- Shortcomings of a simple all VO query to return proper motion measurements near point X

ESASky 7 featuring FITS support, projections, and a Time-Series Visualiser (Henrik Norman)

- Demo of features available in Aladin Lite 3.

Highlights Session 1 (Friday Nov 15)

MIVOT updates (Laurent Michel)

- demo of the SkyCoord using MIVOT/MANGO.
- Other possible models

HATS: Hierarchical Adaptive Tiling Scheme (Mario Juric)

- update on the progress of the project since Sydney including VOTable metadata in Parquet
- future plans

Downstream testing with notebooks (Brigitta Sipőcz)

- NAVO workshop notebooks regularly run in CI and report upstream PyVO bugs
- increase coverage

Highlights Session 1.5 (Saturday Nov 16)

VOTable Metadata for Parquet (Mark Taylor)

- problem statement for using Parquet with VOTable metadata
- potential current contention points

HiPS generation news (Pierre Fernique & Thomas Boch)

- alternatives to Hipsgen
- HiPS 3D

Firefly expanding use of VO (Trey Roby)

- Firefly challenges of using VO services
- Future plans

Complete Slides and Recordings

Thank you for all the presenters

Apps Presentations:

<https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpNov2024Apps>

Recordings for different sessions:

<https://www.canfar.net/storage/vault/list/IVOA/malta2024b>

Hot Topics

- VOTable 1.5 - very close to being endorsed
- ~~VOTable 1.6 (Parquet)?~~ VOTable in Parquet. Facilitate the creation of an Endorsed Note
- P3T prototype Apps support
- MOC

Connect with us:

E-mail: apps@ivoa.net (subscribe at <http://mail.ivoa.net/mailman/listinfo/apps>)

• **Slack:** [IVOA#applications](#), [astropy#pyvo](#)

