



Applications Working Group

IVOA Interop Görlitz, November 2025

Adrian Damian (CADC), Brigitta Sipőcz (IPAC/Caltech) - chairs



Apps WG

E-mail: apps@ivoa.net (subscribe at
<http://mail.ivoa.net/mailman/listinfo/apps>)
Slack channel: [#applications](https://ivoa.slack.com)

Role:

- Provide a forum for announcement and discussion of VO Applications
- Provide feedback to IVOA on the implementation of interoperability standards in VO applications
- Identify missing or desirable technical capabilities for VO applications
- Identify missing or desirable components in terms of scientific usability
- Propose and develop standards specific to VO Astronomy-user-Applications

Standards:

- **VOTable** – Primary IVOA format for exchanging tabular data
- **SAMP** – Simple Application Messaging Protocol
- **MOC** - HEALPix Multi-Order Coverage Map
- **HiPS** – Hierarchical Progressive Survey



Current Activities

HATS IVOA Note

- A Standard for the Hierarchical Adaptive Tiling Scheme in the Virtual Observatory
- IVOA note published ([link](#))
- Further updates in the works

VOTable

- Work on version 1.6
- char and unicodeChar re-definition ([link](#))

Related:

- Authentication/Authorization & Identity (AA&I) - (DSP session - Sat 9:00)
- Proposed new data models (CAOM & MANGO) - (DM session - Sat 14:00)

Apps 1

Friday 11:00 - Wichernhaus “nadir”

Thomas Boch	HiPS network status: new HiPS datasets, new HiPS nodes
Matthieu Baumann	Implementation of HiPS3D extension in Aladin Lite within the SRCNet framework
Thomas Robitaille	Support for HiPS and HiPS3D in reproject and glue
Pierre Fernique	HIPS and MOCs Progress Report
Melissa DeLucchi	HATS: Progress Report

Apps 2

Saturday 16:00 - Wichernhaus “nadir”

Laurent Michel	Mango/Mivot tooling
Mark Taylor	Unicode in VOTable
PyVO maintainers	PyVO and astropy.votable Round Table