Applications Working Group

IVOA Interop Perth, November 2026

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Apps WG

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

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

VOTable 1.6

The last 2 remaining issues have been worked out and it will be presented today in the TD-Apps joint session.

The PD should follow after Interop

HiPS 2.0

Concern primarily to expanding discretization principle to a second physical dimension: time or frequency.

Time Domain IG and Apps

Friday 16:00-17:30 - Global Streaming Center

Ken Ebisawa	Time HiPS 3D test with MAXI data
Thomas Boch	Exploring Time-domain data with HiPS 3D - Hipsgen, Aladin clients, HiPS2FITS 3D, light curve extraction
Pierre Fernique	Progress report on the HiPS 2.0 standard
Mark Taylor	Progress report on the VOTable 1.6
James Tocknell	How should VO Apps present Authentication?

Apps 2

Sunday 9:00-10:30 - Global Streaming Center

Stéphane Erard	AI agents can now query VESPA
Open Discussion	AI and VO Applications