



IVOA Interoperability Meeting

Malta - November 2024

DAL WG

Data Access Layer Working Group

Chair: Grégory Mantelet

Vice-Chair: Joshua Fraustro



STScI | SPACE TELESCOPE
SCIENCE INSTITUTE

Highlights in DAL session

ObsTAP + Datalink

[DAL at IRSA](#)

Anastasia Laity

- The nature of the data (simulated or real) MUST be visible and explicit in datasets
- CAOM -> ObsCore
- How to enforce ObsCore consistency across archives?

[How to get a data from different locations](#)

Tess Jaffe

- 3 propositions using Datalink
 - 1 service descriptor each
 - suffixed #this content_type
 - [FB] use local_semantics
- TBD - DAL running meeting

TAP-1.2 - Persistent upload

[A Prototype in DaCHS](#)

Markus Demleitner

- No authentication
- /user-tables endpoint
- PUT, POST, GET, DELETE
- New in ADQL:
CREATE TABLE

[User-managed tables in TAP](#)

Pat Dowler

- Authentication required
- /tables endpoint
- PUT, POST, GET, DELETE
- Permission, sharing, index
- P3T/OpenAPI - How to make HTTP methods or endpoints optional?

[Upload capabilities available in TAP+ services at ESA archives](#)

Jose Osinde Lopez

- Authentication required
- /uploads, /share, /tabledrop endpoints
- Quota management
- Sharing capabilities

Wrap-up:

- Draft to clarify
- Need more discussions
- It will be an optional feature
- Experiment with OpenAPI

Well-received messages - 1

from other sessions

ADQL (in Apps)
Markus Demleitner

*“Optional features are bad for UX.
Please avoid them!”*

DAL stds (in Apps)
Markus Demleitner

“Case insensitive parameters are bad!”

SIAv2 (in Apps)
Trey Roby

*“Remember to support MAXREC=0.”
It will be used intensively by Firefly.*

DALI-1.2 (in Apps)
Mark Taylor

*Suggestion to add Parquet in RESPONSEFORMAT values.
application/vnd.apache.parquet
(alias: parquet)*

*Much interest into ObsLocTAP along with **ObjObsSAP** and ObsTAP in several talks.*

LineTAP
Jean Michel Glorian

Working on a client (CASSIS) and server implementation.

Well-received messages - 2

from other sessions

SIAv1 (in Ops)
Henrik Norman

*Remember: MUST have
<RESOURCE
type="results">*

Cone Search (in Ops)
Henrik Norman

*Many services already
use UCD1+ which is not
standard...but will be.*

TAP (in Ops)
Henrik Norman

*Remember: Reserved words
(e.g. "size", "date", "area")
MUST be delimited in ADQL
and TAP_SCHEMA.columns.*

TAP (in Ops)
Markus Demleitner

*Hints to improve UX by
improving error messages:*

- *Re-use an existing ADQL parser*
- *Try with PyVO*

[See more](#)

TAP (in Ops)
Everyone

*Interesting discussions
about security/attack
issues with ADQL and
TAP.*

Let's get connected!



DAL mailing list

Grégory Mantelet (chair)
Joshua Fraustro (v-chair)



DAL channel



Twiki IvoaDAL



IVOA documents