

OLAF – Online Archiving Facility

PDS 2016 Tech Session
September 22, 2016
Small Bodies Node

Questions

Feel free to ask questions at any time!

What is OLAF?

- OLAF is the Online archiving facility
- It is a self service portal for submitting products to the PDS
- It has been in use by the Small Bodies Node for over 10 years
- OLAF was used to generate PDS4 products for LADEE LDEX and the most recent asteroid review
- OLAF will accept multiple data types (tables, FITS images, lightcurves, spectra). We are working on adding other data types

Why OLAF?

- OLAF can be used for to generate products that re-occur throughout the PDS
- It is akin to the “Turbo Tax” of PDS
- It shields users from the inner workings of PDS, and changes to the standard
- It saves them the time and effort that it takes to learn all about the PDS4 and its supporting technologies
- It saves them the time that it takes to actually generate the labels
- It consistently makes the same kinds of decisions for the same kinds of products

Who Uses OLAF?

- OLAF can be used by smaller data providers, such as R&A, who might not have a full pipeline or a very large data volume
- While not necessarily aimed at missions, it could be used by them if their data products are consistent (LDEX)

When is OLAF available?

- OLAF is available for SBN users now. It can produce PDS4 products through an SBN-developed translator
- OLAF currently produces table products in PDS4, but other types are in development
- OLAF will be made available to other nodes

Where is OLAF?

- OLAF is hosted at the Planetary Science Institute
- OLAF is accessible anywhere through a web browser

How does OLAF work?

- Users upload data to OLAF
- An administrator can advise the user, and once their products are satisfactory, OLAF will generate the labels for the bundle, collections, products, and documents
- The product is peer reviewed
- Users upload liens-resolved products
- A new bundle is generated for archival

Demonstration

- Caveats
 - OLAF is in transition from PDS3 to PDS4. Some UI elements may invoke PDS3. Those will be brought in line with PDS4.

OLAF Development

- OLAF is about to undergo extensive development.
- Better usability
- Better dictionary support
- More data types (non-FITS images, delimited tables, 3d arrays)
- More flexibility for power users
- Access by other nodes

Working with other nodes

- Feedback welcome
- Let us know if you see anything you would like added

Other Questions?