

### CHEOPS ARCHIVE

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### Archive Overview

- All CHEOPS data are to be stored in the CHEOPS Archive:
  - Calibration/Reference files (e.g. FlatField, PSF)
  - Science data (e.g. raw data, calibrated images, lightCurves)
  - Engineering data (e.g. house keeping)
  - Planning information and other reports on e.g. data quality.
     More details on data products/levels in M. Beck's presentation
- CHEOPS Archive to play a central role for mission operations,
   e.g. notifications to PI of upcoming observations and new data available







### Archive Browser

#### Sole interface for users to access CHEOPS data:

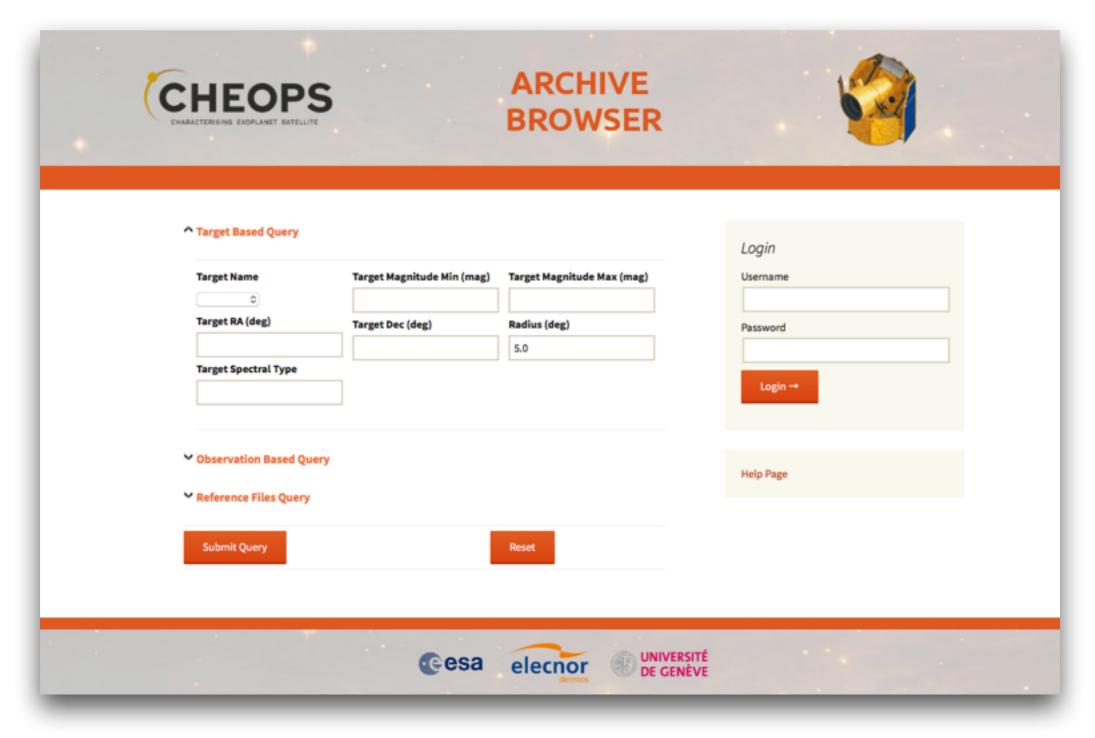
- All metadata will be available for browsing
- Public data will be accessible for download by all users
- Private data will be available for download only by the owner (PI) (and his/her delegate, see next slides)
- Private data becomes public (ObservationRequest-level):
  - I year after completion of the last visit
  - or 1.5 years after completion of the first visit, whichever happens first
- Reference files, Science Demonstration and selected commissioning data will be made public







### Archive Browser Interface









## Archive Help

		BROWSER	
↑ Target Based Query			Login
Target Name  Carget RA (deg)	Target Magnitude Min (mag)  Target Dec (deg)	Target Magnitude Max (mag)  Radius (deg)	Password
Target Spectral Type		5.0	Login →
✓ Observation Based Query			Help Page
➤ Reference Files Query  Submit Query		Reset	Click



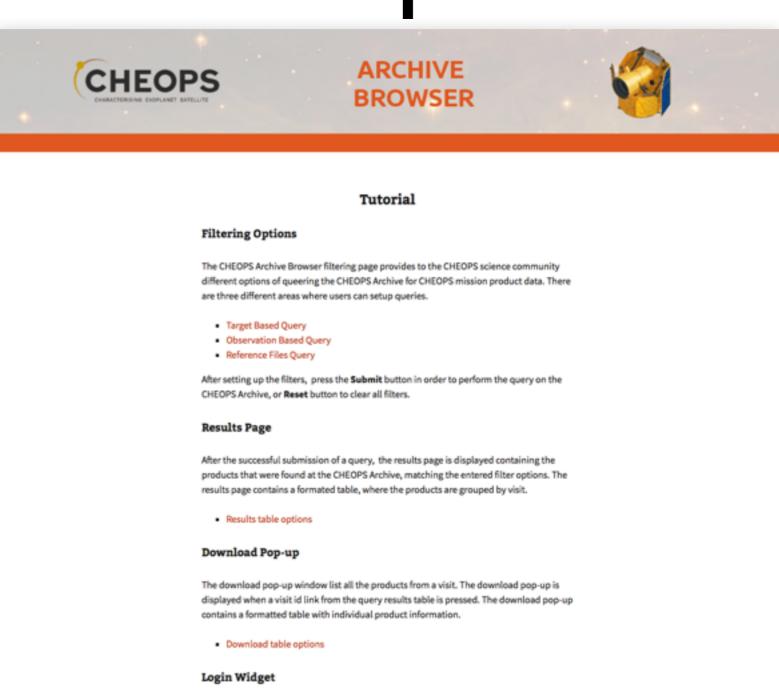




# Archive Help

Meaningful information on archive browser usage:

- Queries
- Results
- Downloads
- Login



The login widget presented on the right hand side of the CHEOPS Archive Browser home



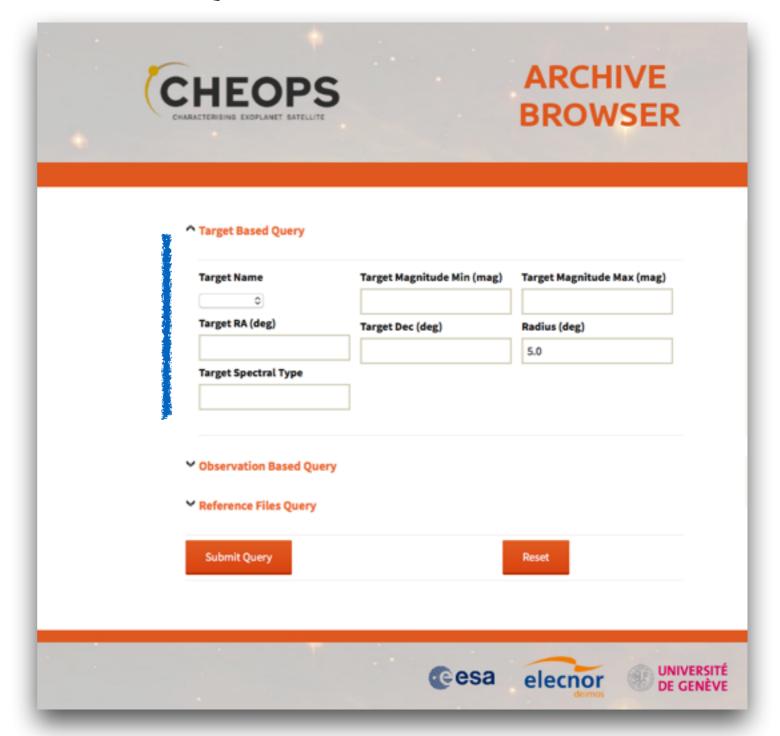




## Archive Queries

Archive can be queried by:

Target





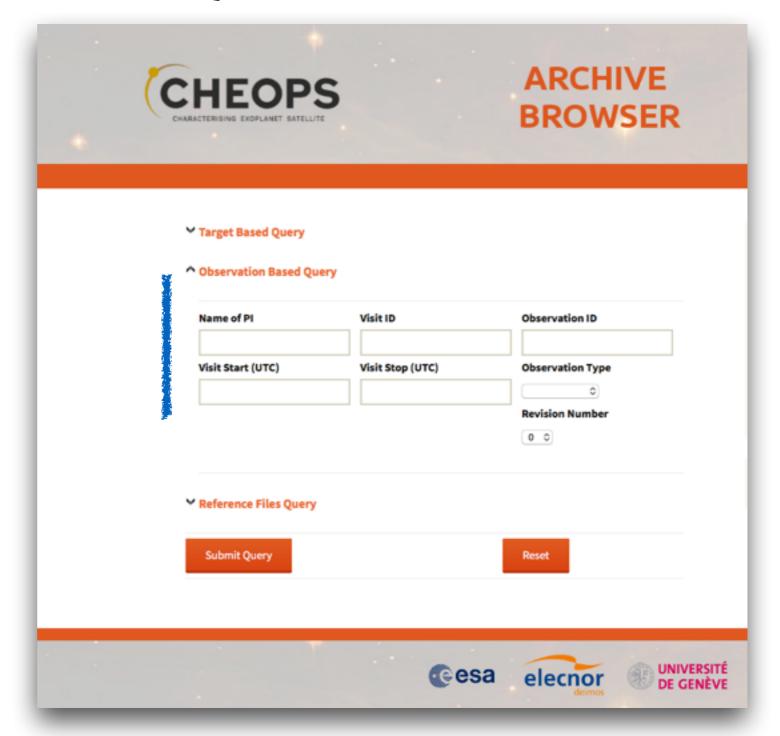




## Archive Queries

#### Archive can be queried by:

- Target
- Observation





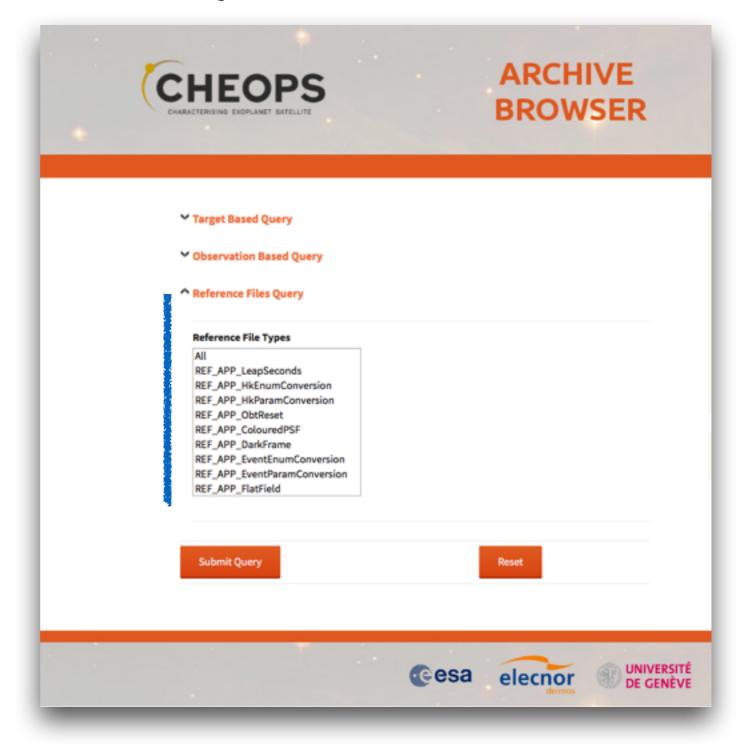




## Archive Queries

#### Archive can be queried by:

- Target
- Observation
- Reference files (see M. Beck's presentation)





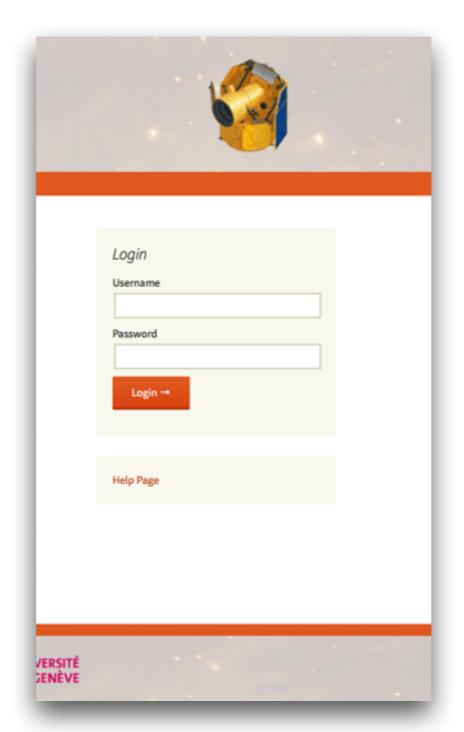




# Archive Login

#### No login required to:

- Query the database
- Browse results
- Download public data









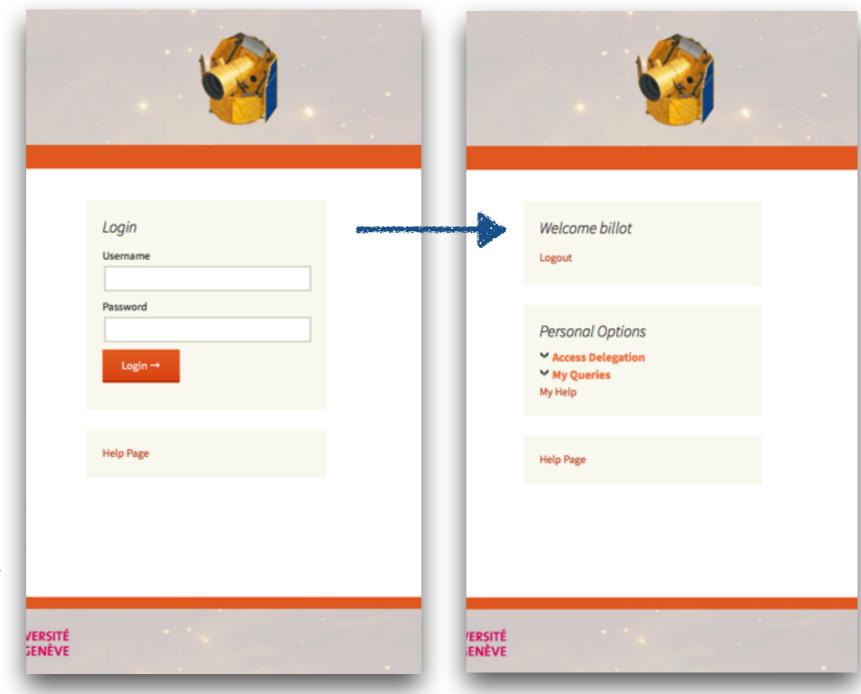
# Archive Login

#### No login required to:

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#### **Login** required to:

- Identify user / data owner
- Download one's private data







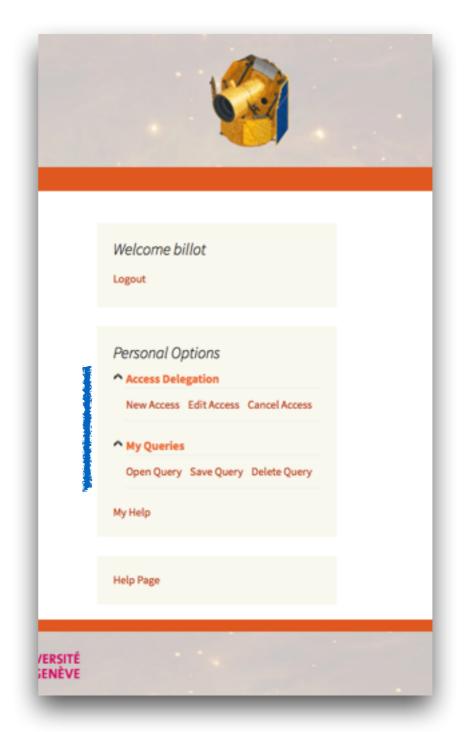


### Archive Registered Users

Additional functionalities for registered users after login:

- Save one's favorite query
- Delegate data access rights to another registered user on specific observations

Only PIs and contact Co-I (as defined at PHTI stage) of accepted GO programmes will have an account





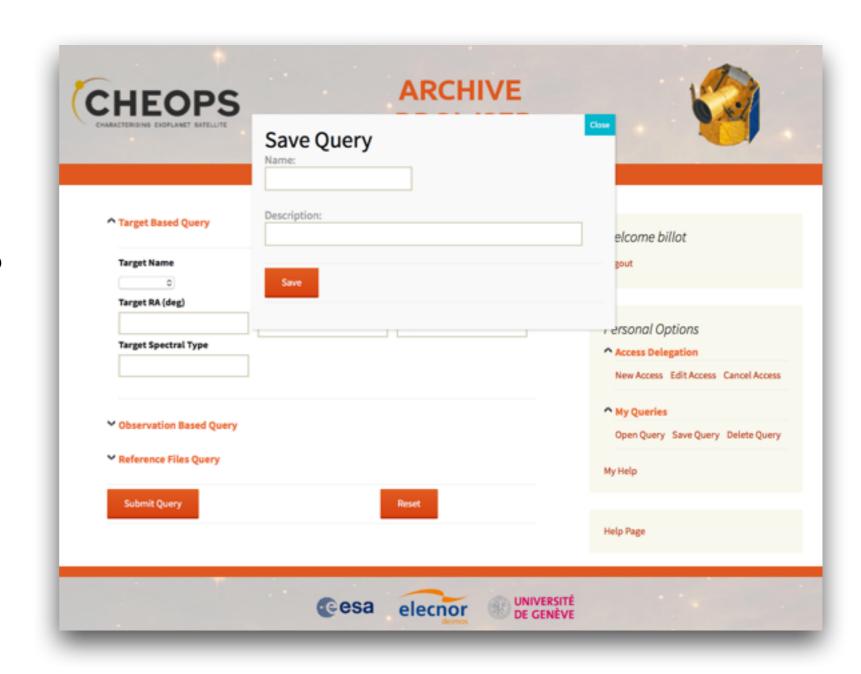




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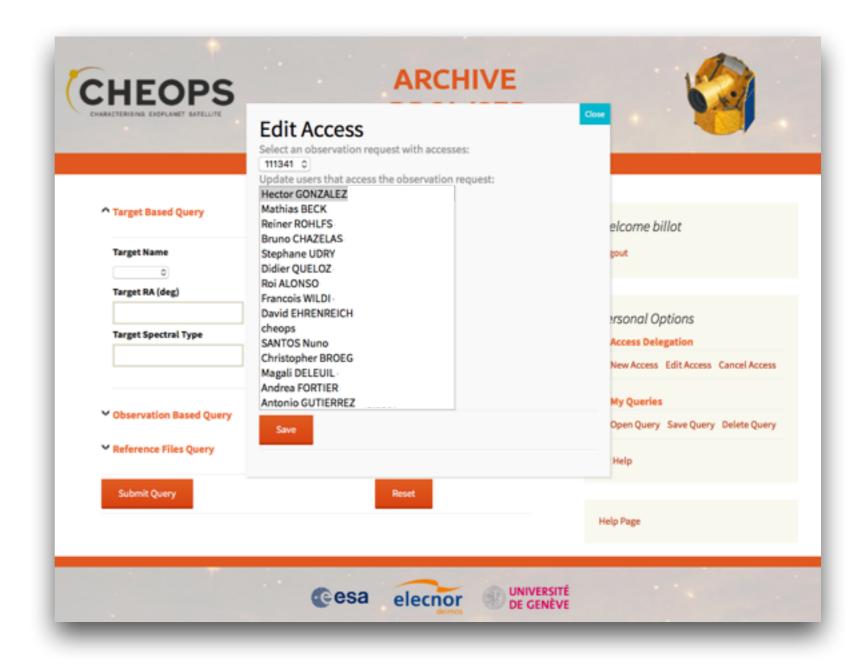




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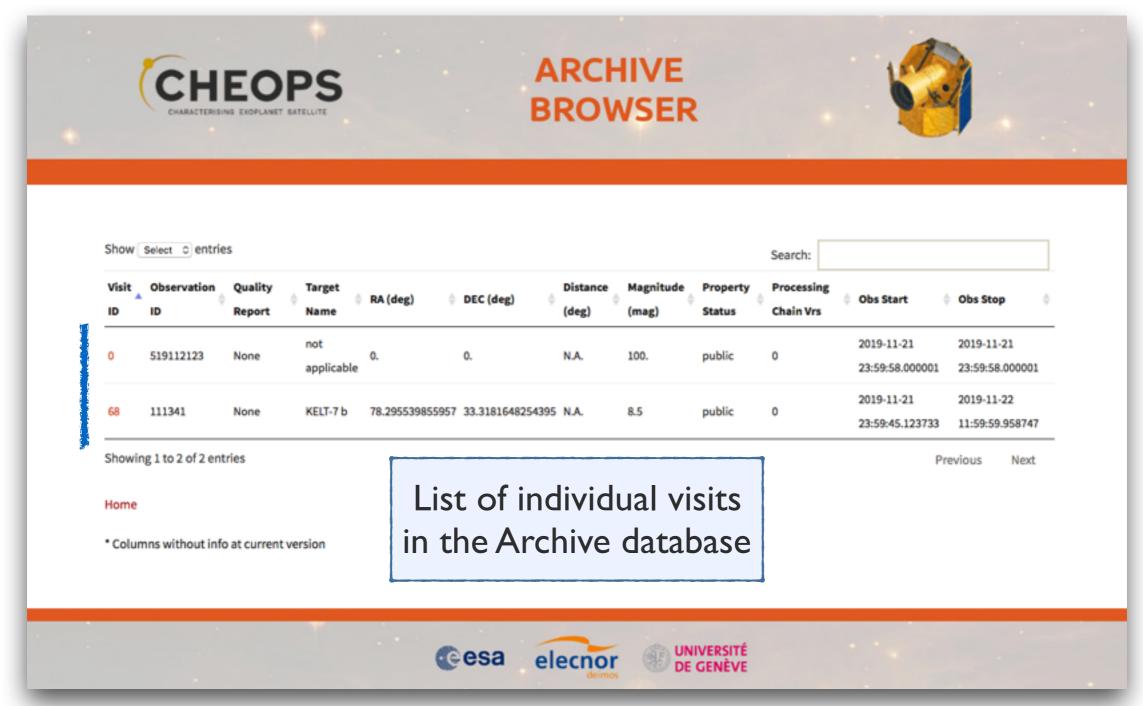
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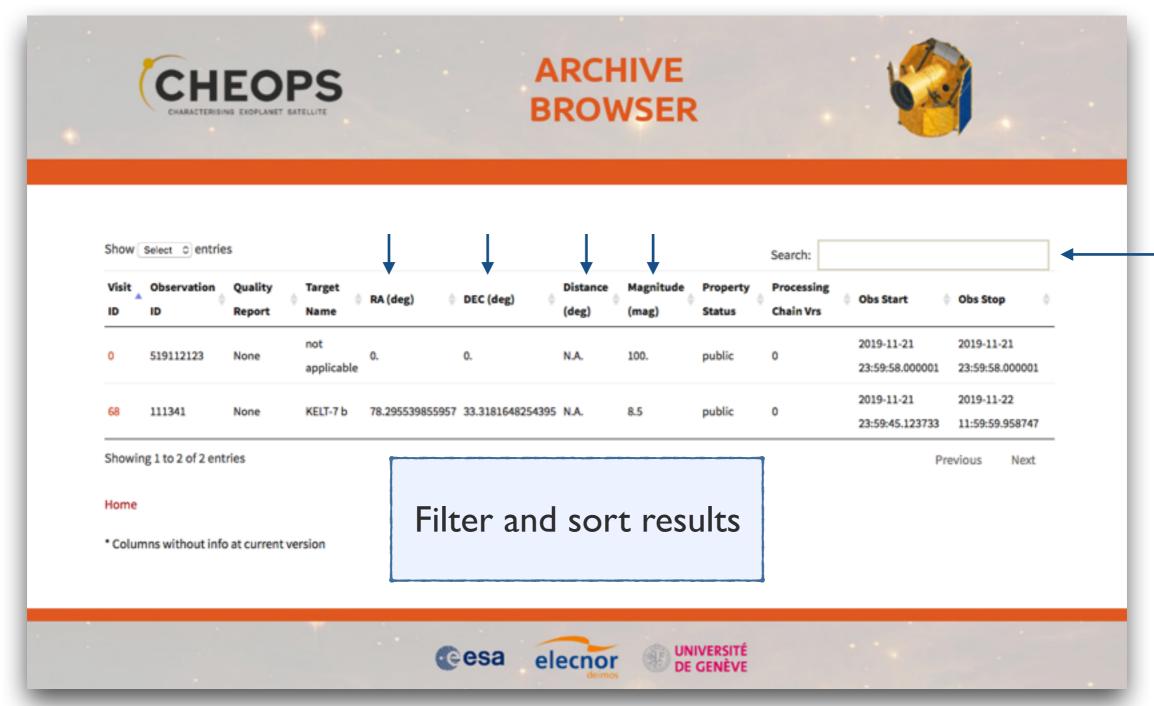








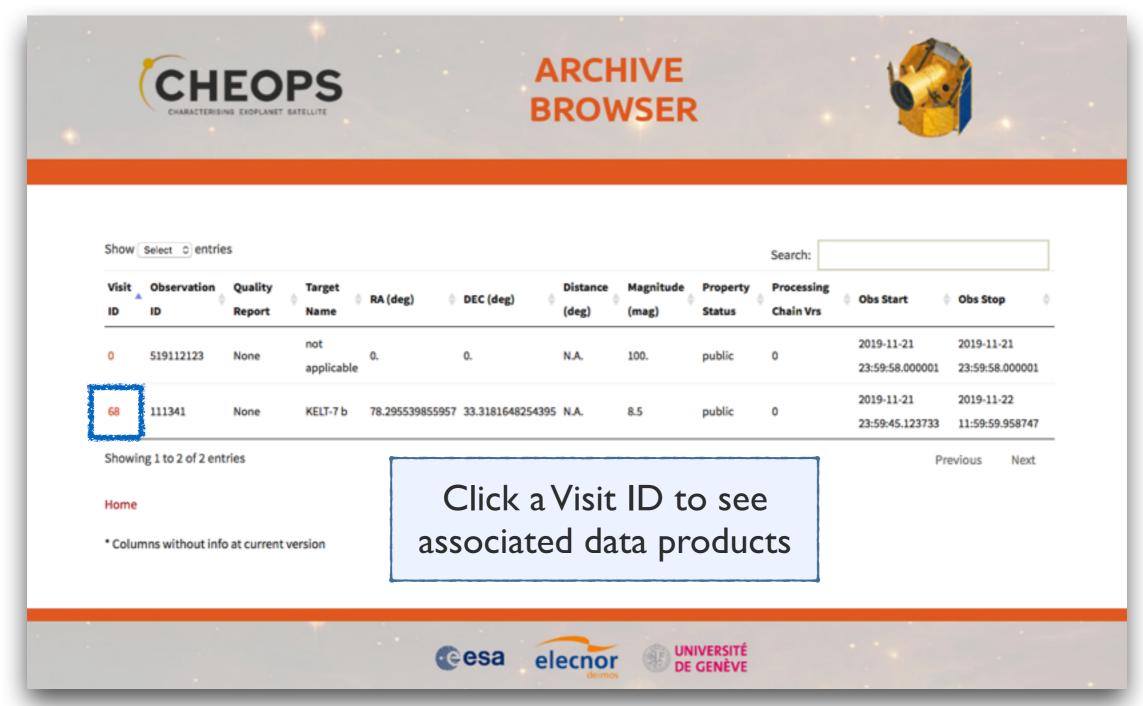














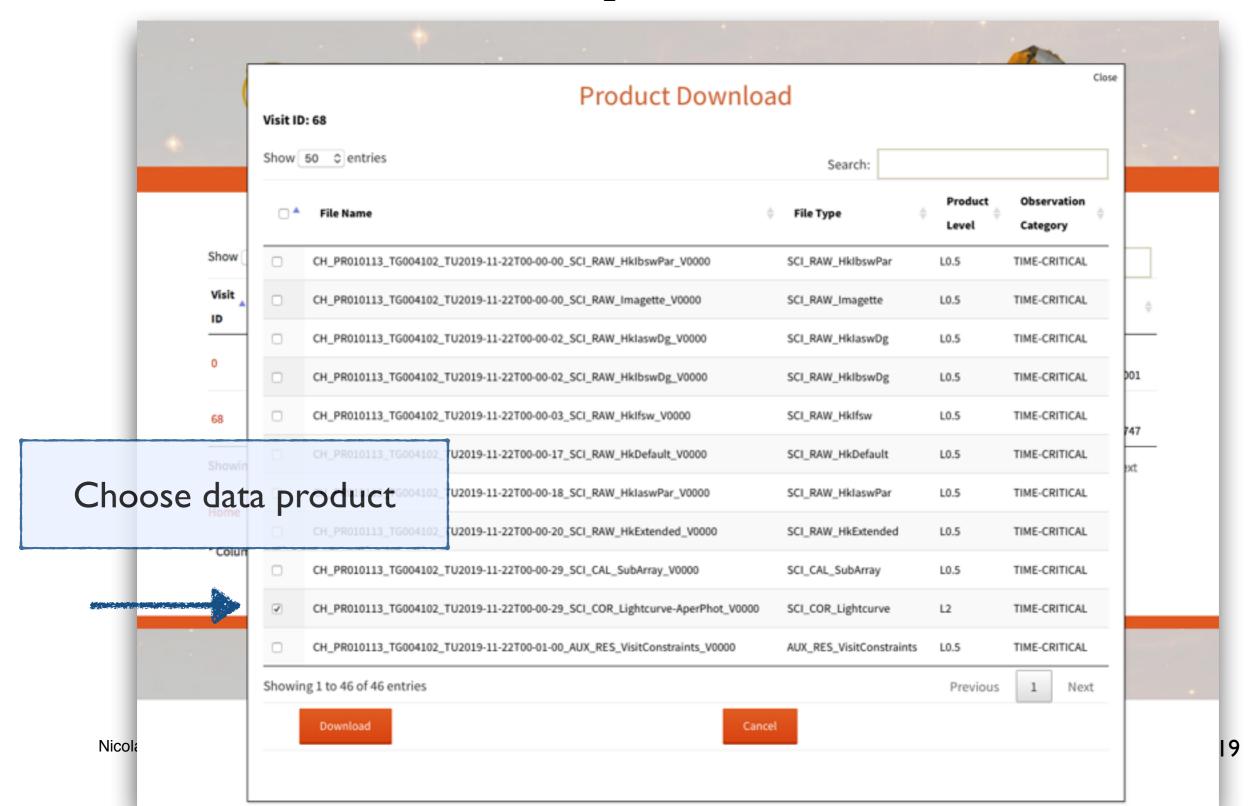




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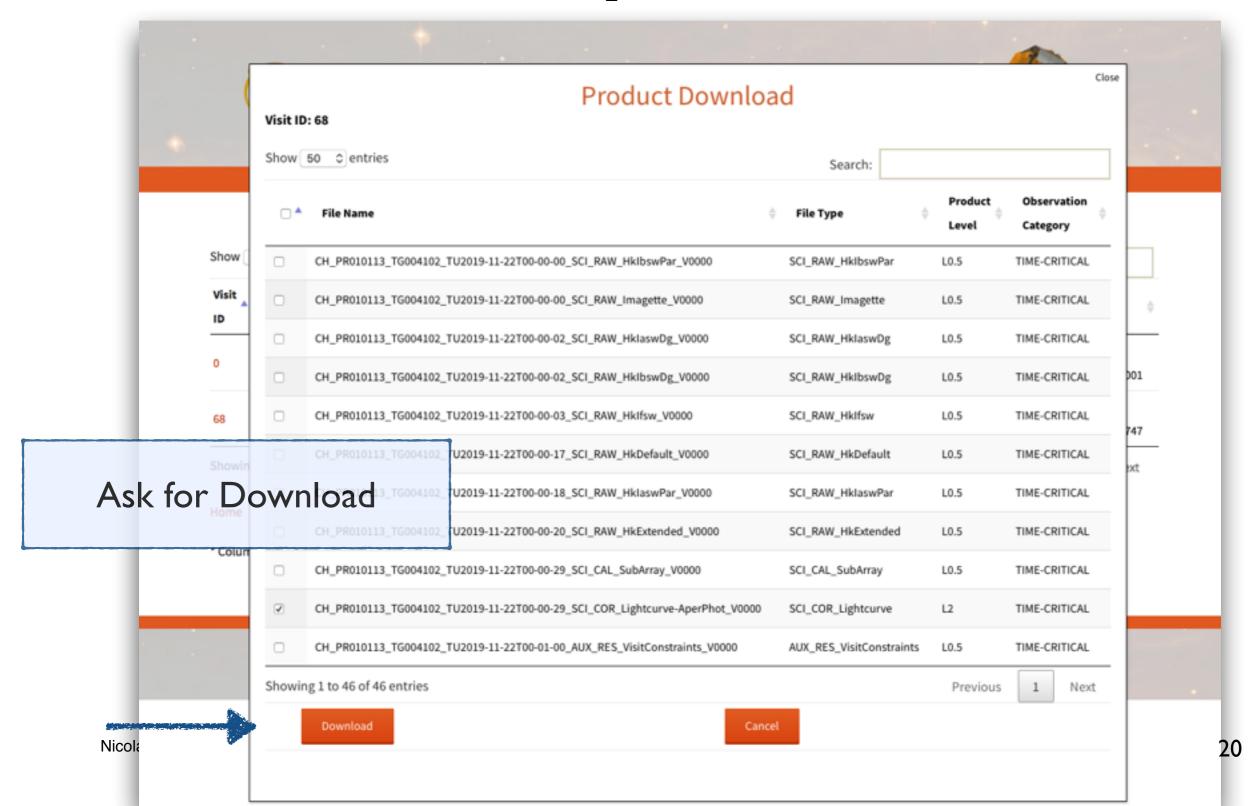






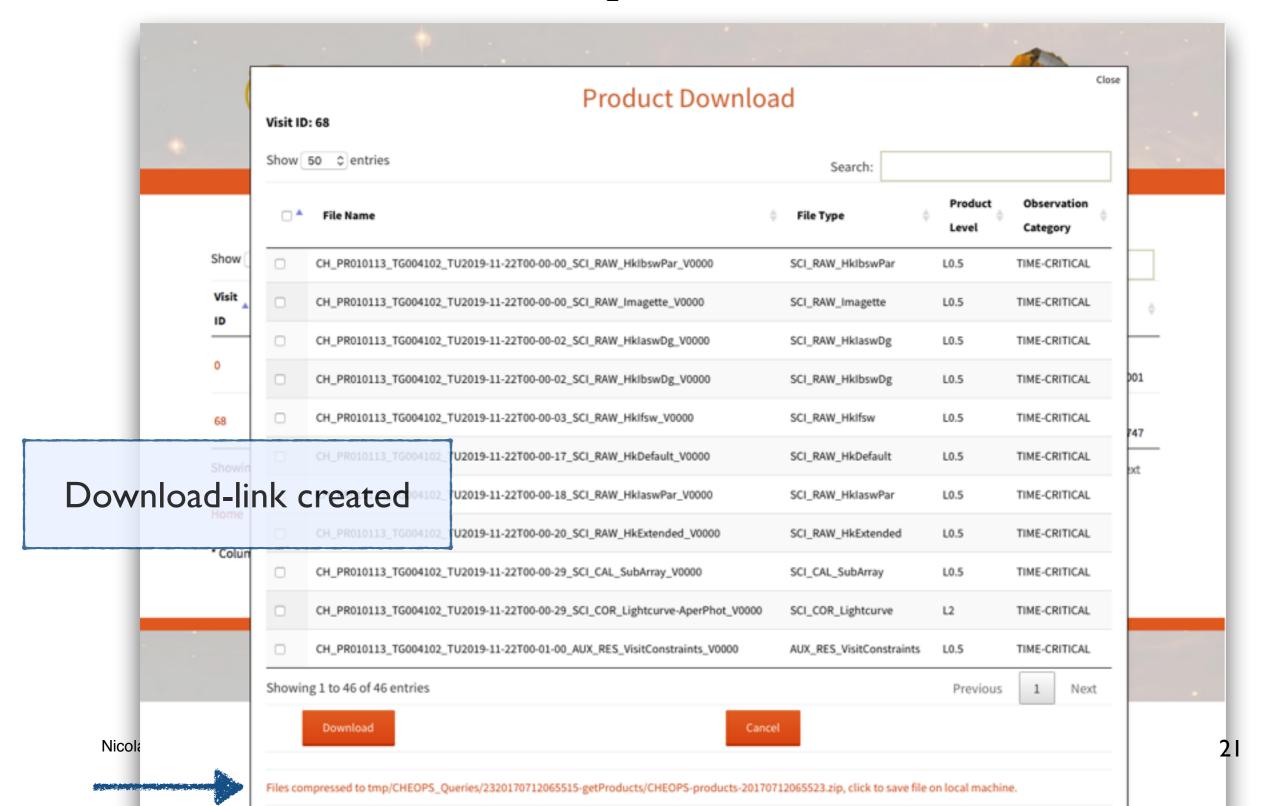
















### What's next?

- Development is nearing completion:
  - Most functionalities have been implemented already
  - Minor modifications on ergonomy and cosmetics for improved usability
  - Full scale testing in progress

 CHEOPS Archive will be made available to the community after the Science Demonstration Phase, following the in-orbit commissioning.

