HDFVIEW

http://www.hdfgroup.org/hdf-java-html/hdfview/index.html

Basics of HDF data format

HDF (Hierarchical Data Format) is a library and multi-object file format for storing and managing data between machines.

Two versions: HDF4 and HDF5.

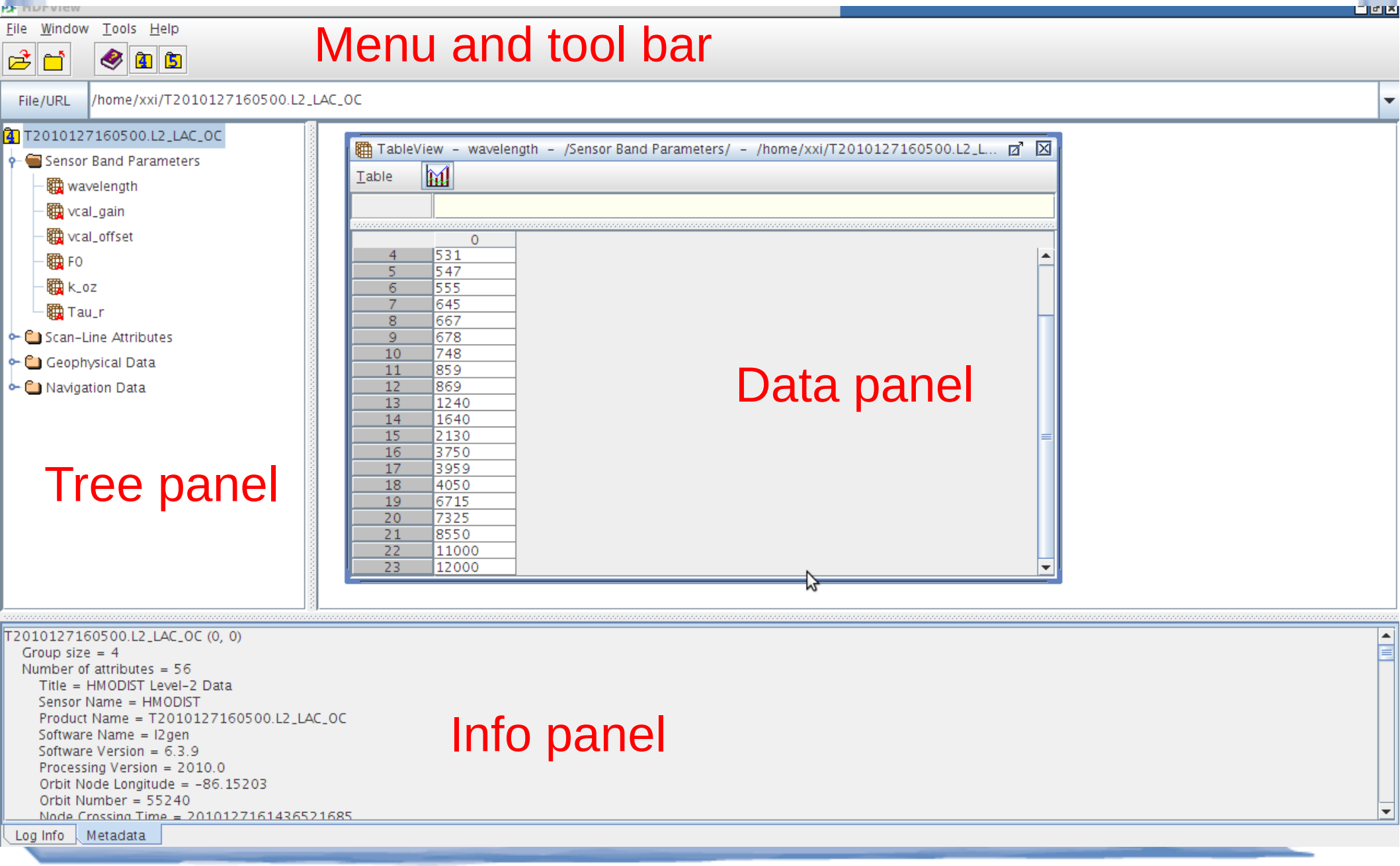
Important features:

- Self-describing;
- Can store swaths, grids, in-situ data, instrument metadata, and browse image in a single file;
- No limits on size or number of data objects;
- Allow complex data relations&dependences;
- Support parallel I/O, multiple platforms and API with C/C++/Fortran/Java interfaces

Main usage of HDFVIEW

- View a file hierarchy in a tree structure
- Create new file, add or delete groups and datasets
- View and modify the content of a dataset
- Add, delete and modify attributes
- Replace I/O and GUI components such as table view, image view and metadata view

Screenshot of main window



Example: ocean color in Floria Bay

2010 May 07
MODIS/Terra

True color image

Chlorophyll concentration

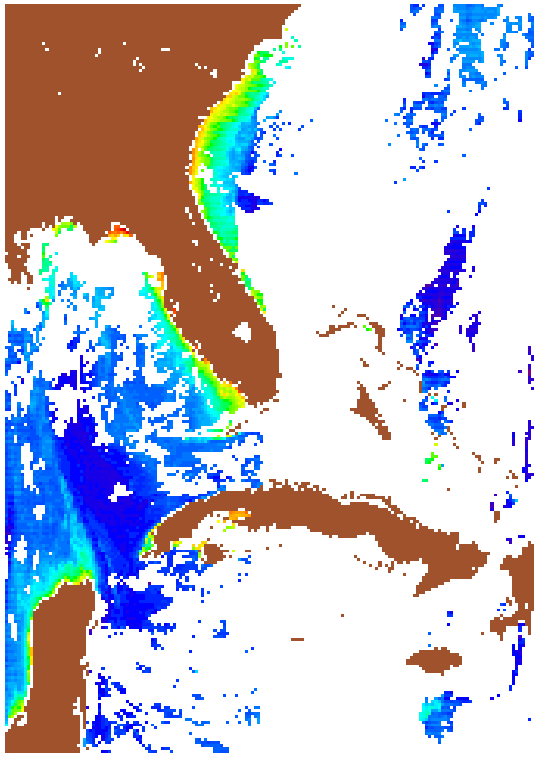


Table view

Open a proportion of data as table
Export data to a text file

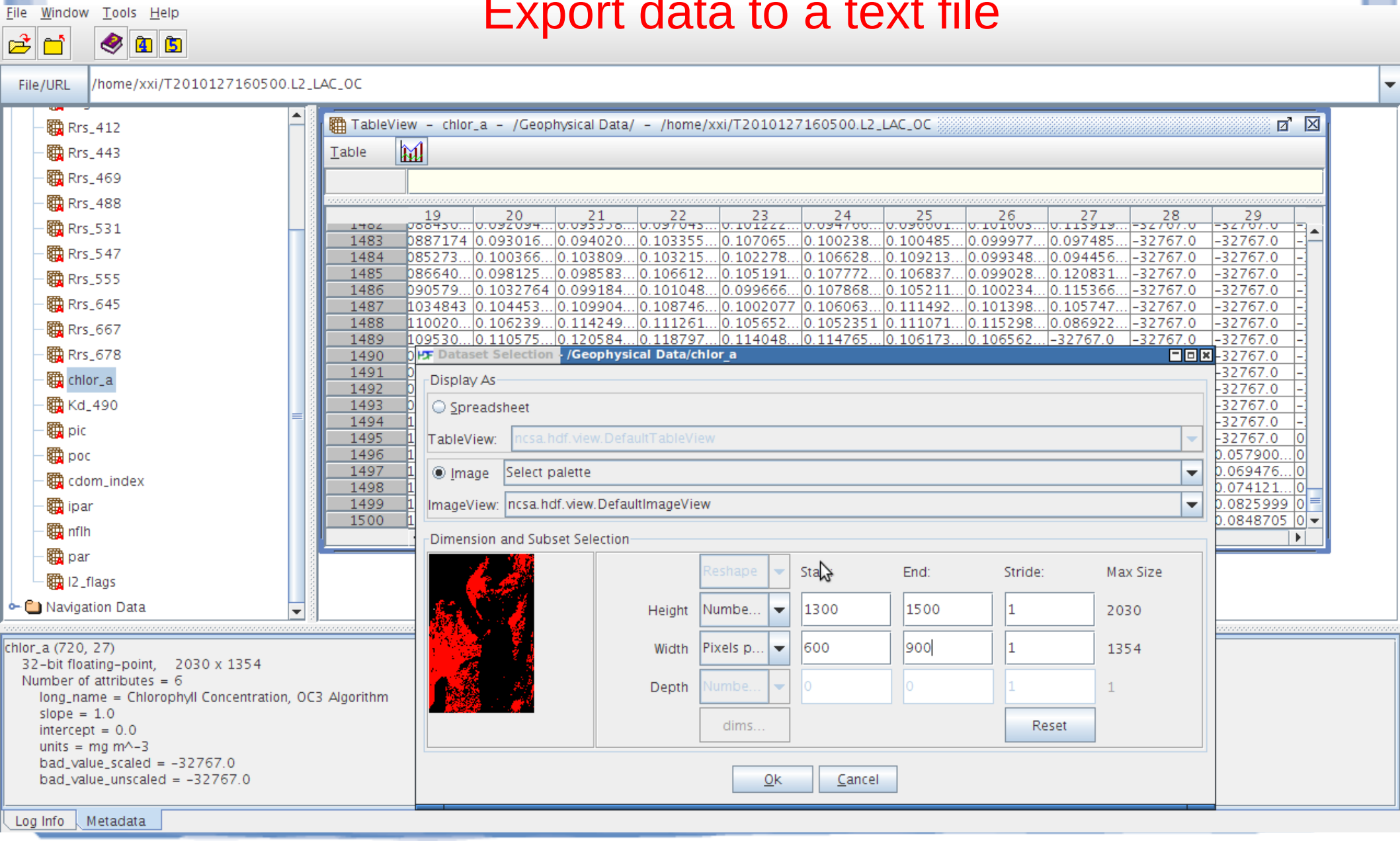
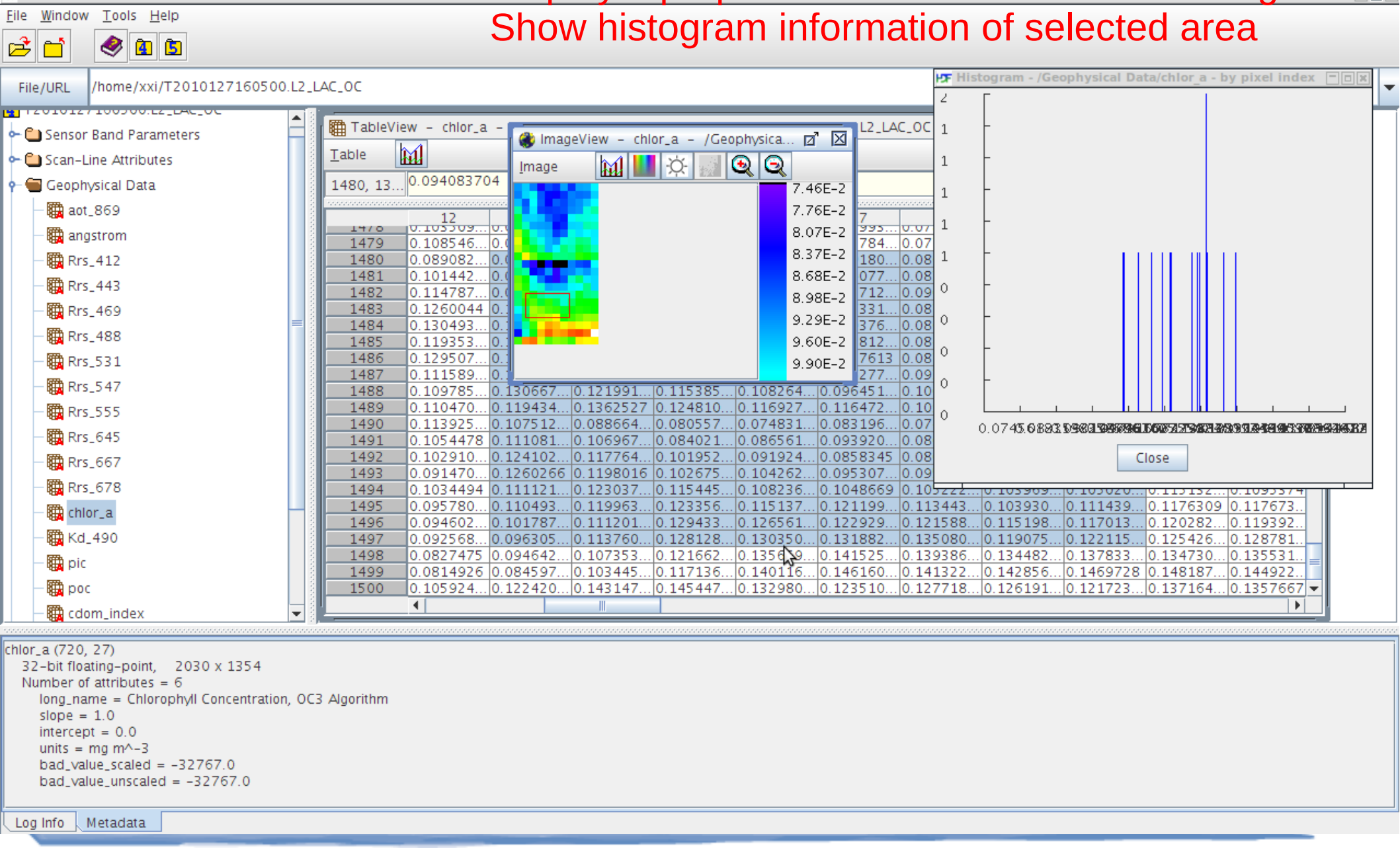


Image view

Display a proportion of data and save as images

Show histogram information of selected area



Useful links

Free download link for WIN/MAC/LINUX:
http://www.hdfgroup.org/hdf-java-html/hdfview/index.html
User guide:
http://www.hdfgroup.org/hdf-java-html/hdfview/UsersGuide/index.html