HDF5_BLS Specification Sheet

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Project Objectives

1. Unify the format of data files to HDF5

2. Allow structured storage of data in HDF5

3. Provide a Python access to data inside HDF5 files

4. Build a GUI to make the creation of HDF5 files easier

5. Give users the possibility to convert their raw files to Power Spectrum Densities (PSDs) inside the GUI

6. Allow users to treat the PSDs inside the GUI

7. Allow the user to visualize their data as well as the results of the analysis.

Project Deliverables

Deliverable	Description
Deliverable 1	Agree on a file structure.
Deliverable 2	Have a stable version of the HDF5_BLS to create the files and to read them.
Deliverable 3	Have a first GUI to use the HDF5_BLS library to add data, organize its structure and save attributes.