

## GBT Legacy Data Archive

### Project Information

The following project information is needed:

- Survey Title
- Project Code
- PI Name
- Frequencies
- The associated data paper for the project data being provided
- Any acknowledgements that may need to be provided on the data page
- Frequency Range of the project

### Observational Information

- Mapping or Single-Pointing observations?
- What type of observation was used?
  - Continuum
  - Spectral Line
  - Pulsar
- If the data is spectral line data which mode was used?
  - Total Power
  - Frequency Switching

All data files will need to follow a standard convention. An example is shown below.

source\_sci\_freq\_cube\_xx.fits

The source should be the observation target or region of the sky. 'sci' denotes that this file is a main science product and 'anc' denotes other data associated which may include derived data products. 'freq' will provide the frequency information in MHz. This can also be replaced by the transition if that naming convention is appropriate. 'cube' denotes that this file is a spectral data cube. Cube can be replaced with any appropriate descriptor for the data file. The final portion of the filename should list the number of the files as needed with leading zeroes for that specific type of file.

Avoid using special characters such as dashes or deviating from the format above.

### Data File Information

- Description of data products must be provided.
  - This should outline what the files are. It may be sufficient to describe only one frequency or transition if the subsequent files follow the same procedure and naming convention. This data description should also reference the associated data paper.

- A brief description of the reduction process should be provided if not contained in the data paper.
- What is the total data volume for this project?
- Which files are considered your main data products and which are considered ancillary?
  - Many projects have files containing derived data products as well as the main science ready data products.
- Which file types will you be providing for the project?
  - Currently the supported file types for the Legacy Archive are .fits, .txt, .csv, .png, and .jpeg.
- What are the associated GBT sessions for the files?
  - This will be used for archiving purposes.
- Do you have any further data reduction notes or general notes that you would like provided with the data? If so, what?
- Do you have an account with the GBO computing system?
- How would you like to submit your data? Some examples are listed below.
  - Ship harddrive to Green Bank.
  - rsync data from home institution.
  - ftp transfer from home institution.

Submit a helpdesk ticket at [help.nrao.edu](http://help.nrao.edu) under the GBT Data Reduction and Data Access department with this information to start the process of archiving data.