

# Notes about Downloaded ALMA Data

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When the archival data used in this workshop are downloaded and unpacked, the files will be sorted into the following directory structure:

```
2018.1.01131.S
  science_goal.uid___A001_X135b_X60
    group.uid___A001_X135b_X68
      member.uid___A001_X135b_X6b
        calibration
        log
        product
        qa
        raw
        script
```

Most other ALMA data, when unpacked, are organized in a similar way.



The directories contain the following files:

`calibration` Calibration plots and tables

`log` Log files

`product` Fully processed images

`qa` Quality assurance data

`raw` Raw data (ASDM format)

`README` A text file with information from calibration and imaging as well as general file information

`script` Data processing scripts





To produce calibrated visibility data that can be used to create new images, do the following in a terminal:

1. Go to the `script` directory.
2. Start CASA in pipeline mode using the `--pipeline` option in the terminal. (When starting CASA from the app on a Mac, quitting CASA in the terminal and then restarting it with this option works.)
3. Execute the script using the command `execfile('scriptForPI.py')`.

Re-calibration may take a while, especially on machines with lower specifications.

The calibrated visibility data will be placed in a new directory called `calibrated`.