Notes about Downloaded ALMA Data

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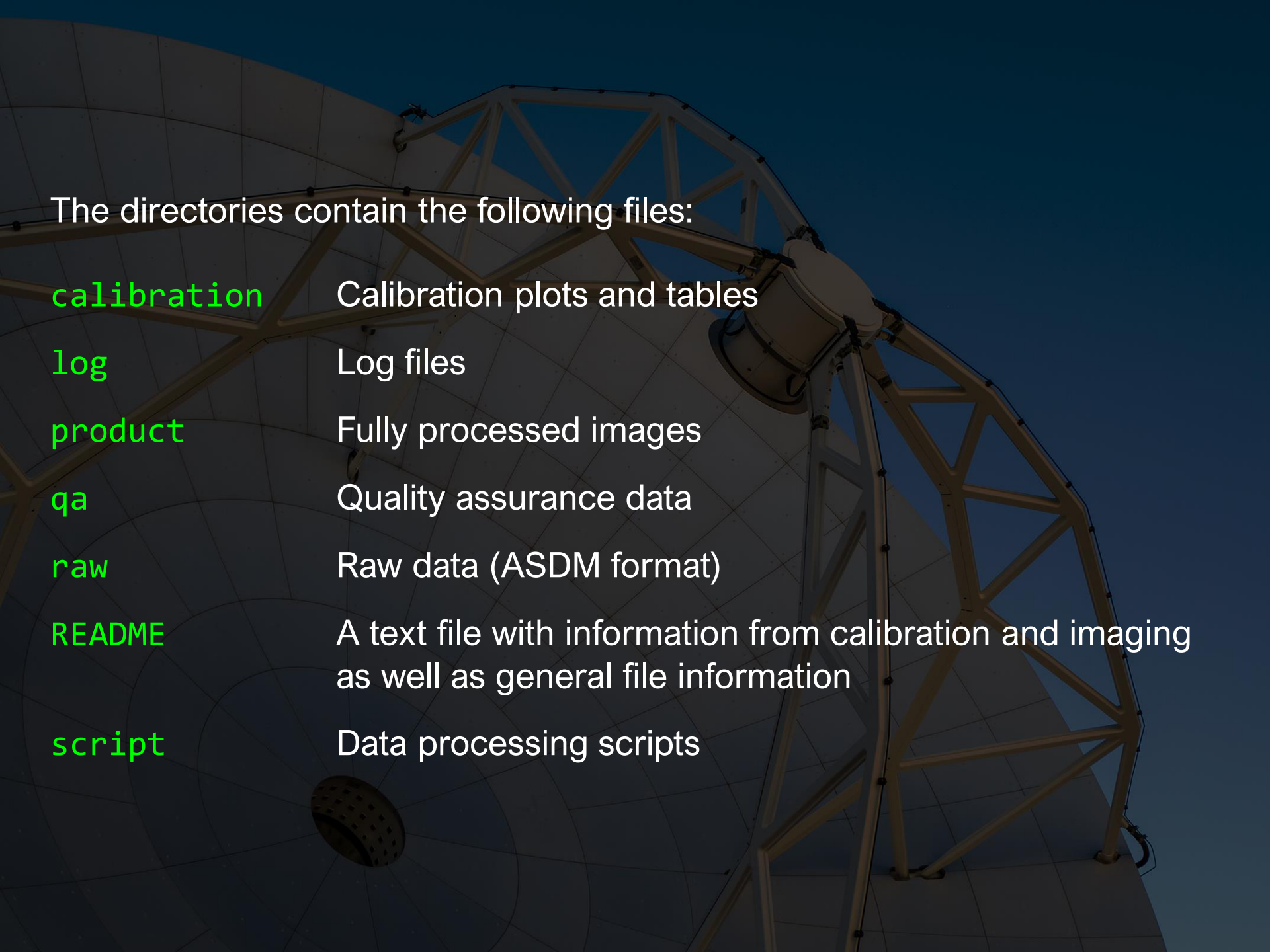
When the archival data used in this workshop are downloaded and unpacked, the files will be sorted into the following directory structure:

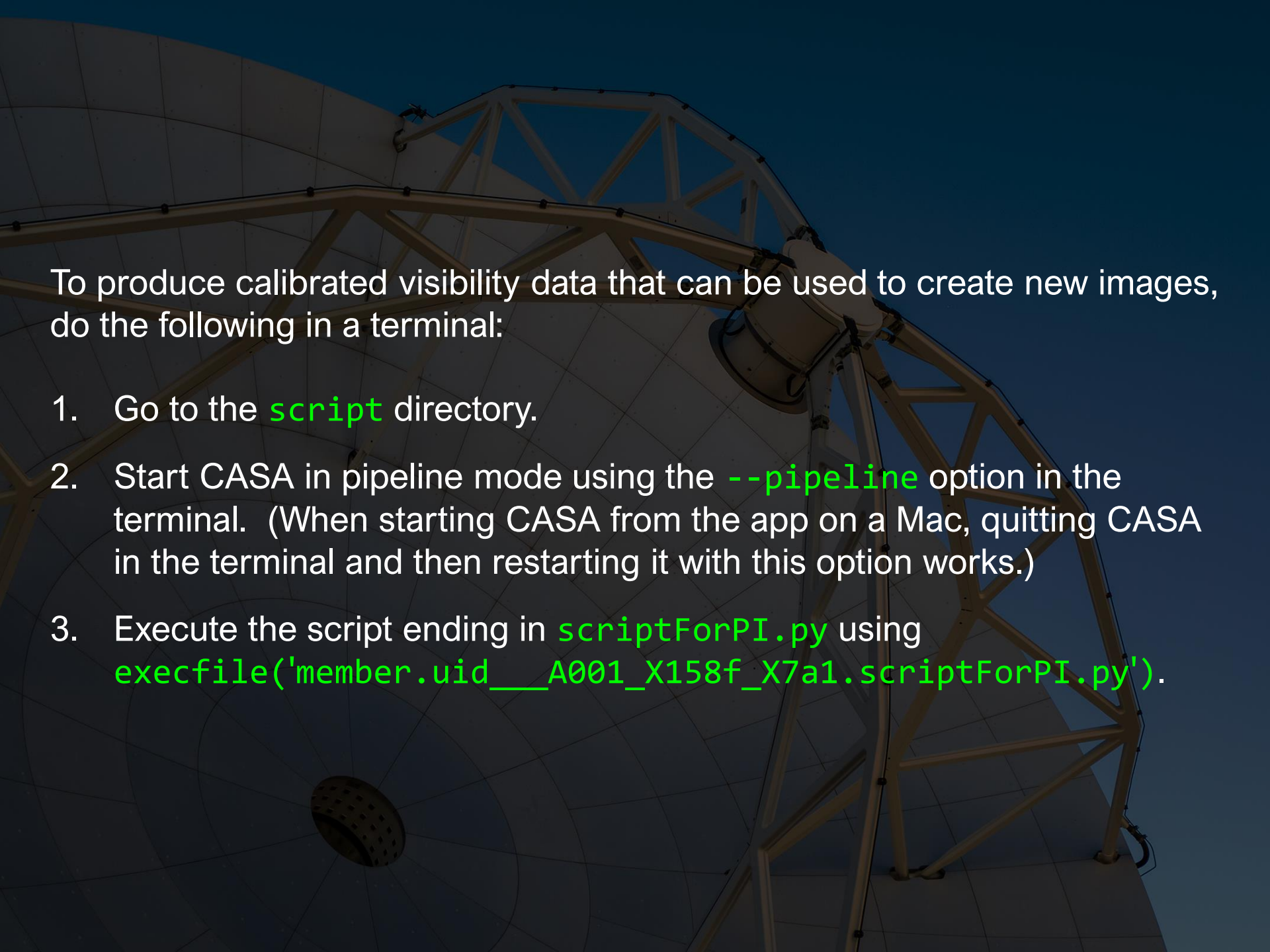
```
2021.1.00499.S
    science_goal.uid___A001_X158f_X79d
        group.uid___A001_X158f_X79e
            member.uid___A001_X158f_X7a1
                calibration
                log
                product
                qa
                raw
                script
```

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 ending in `scriptForPI.py` using `execfile('member.uid___A001_X158f_X7a1.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`.