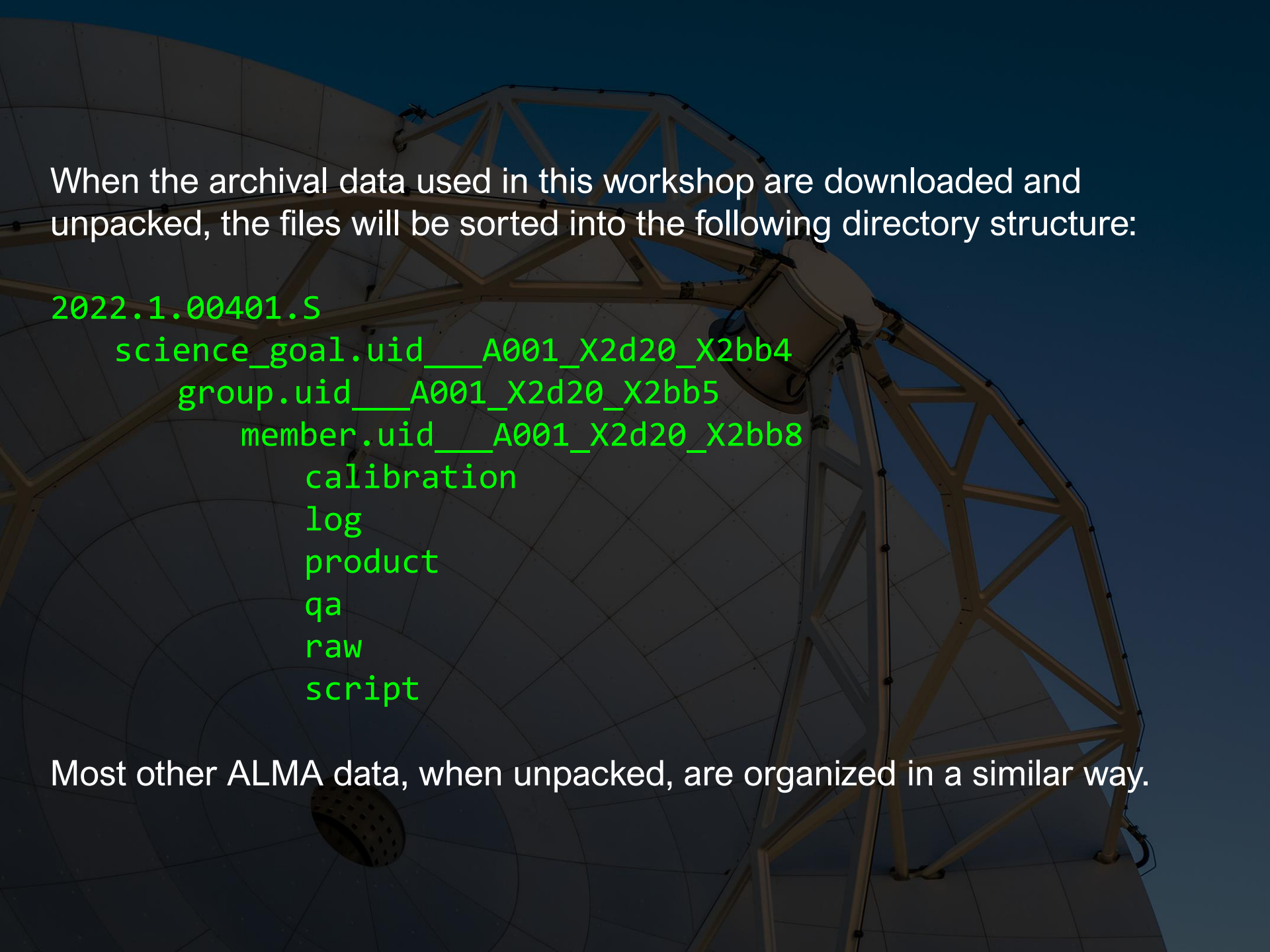


Notes about Downloaded ALMA Data

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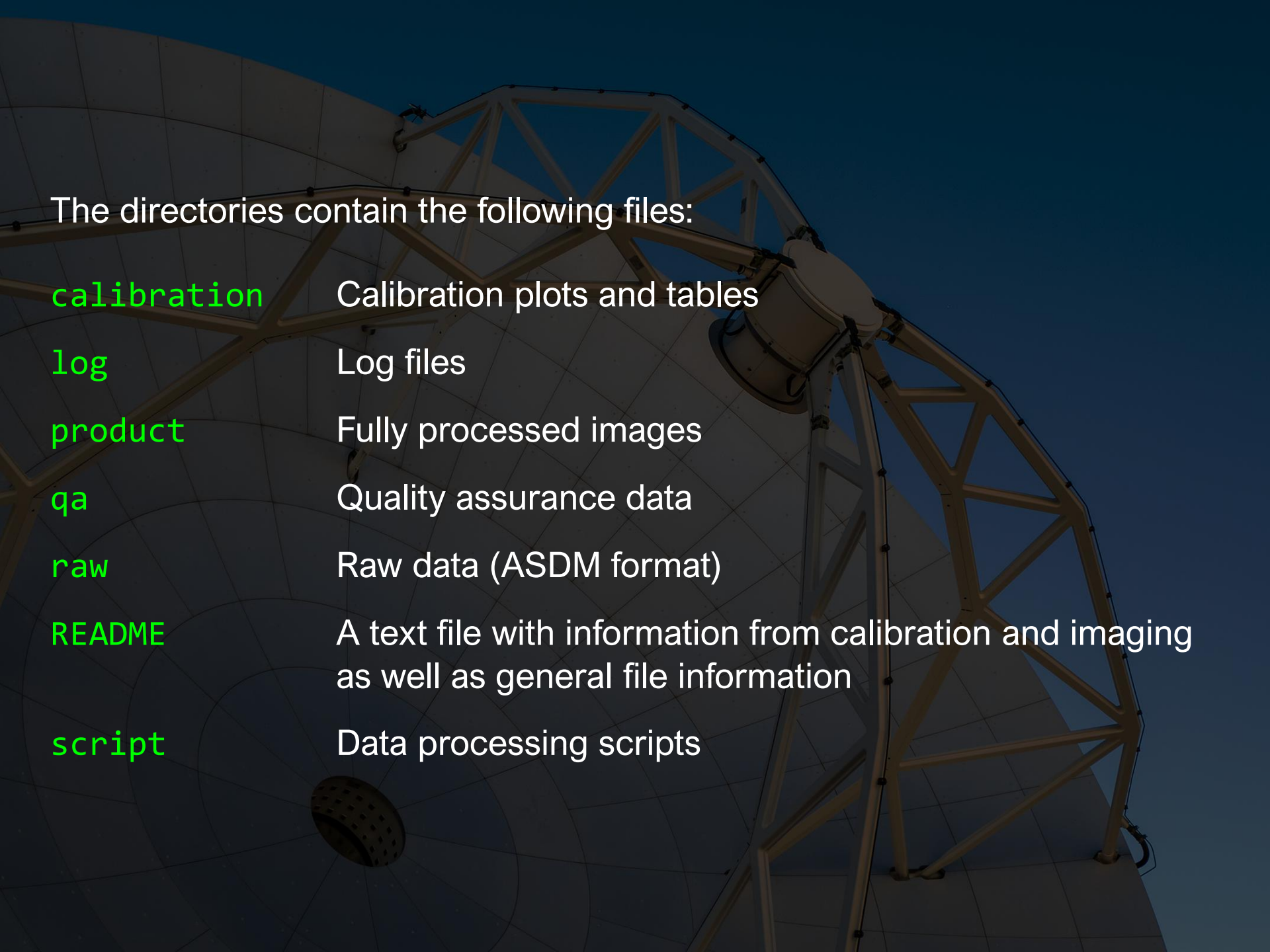




When the archival data used in this workshop are downloaded and unpacked, the files will be sorted into the following directory structure:

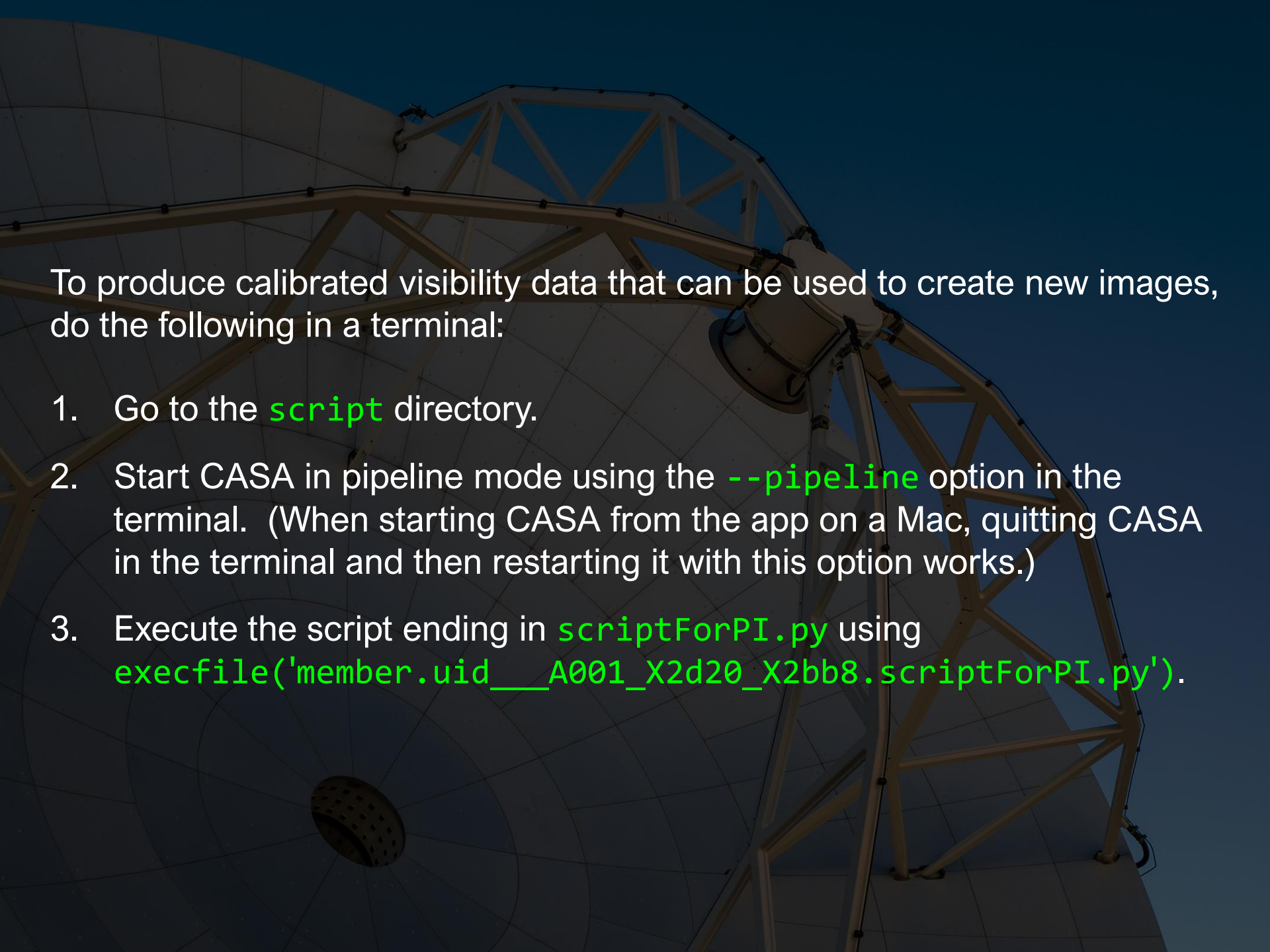
```
2022.1.00401.S
  science_goal.uid___A001_X2d20_X2bb4
    group.uid___A001_X2d20_X2bb5
      member.uid___A001_X2d20_X2bb8
        calibration
        log
        product
        qa
        raw
        script
```

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



The directories contain the following files:

<code>calibration</code>	Calibration plots and tables
<code>log</code>	Log files
<code>product</code>	Fully processed images
<code>qa</code>	Quality assurance data
<code>raw</code>	Raw data (ASDM format)
<code>README</code>	A text file with information from calibration and imaging as well as general file information
<code>script</code>	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_X2d20_X2bb8.scriptForPI.py')`.

A large satellite dish antenna structure is shown against a dark blue sky. The dish is composed of many small, square panels arranged in a grid pattern. A complex metal framework supports the dish, with various beams and struts visible. A small, circular, perforated object is visible on the surface of the dish. The overall scene is dimly lit, suggesting dusk or dawn.

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**.