**Operation Radio Telescope**

File Explorer:

Folder: CALLISTO-01

* Application:
  + **callisto.cfg**: info generali (qui posso ad esempio cambiare il file delle frequenze che leggerà per le misure).
  + **scheduler**: define start and stop times of the measurements
  + **frqXXXX**: frequenze misurate

Steps to start measurements:

1. Open Spyder
2. Go in CALLISTO-01, PythonScripts and open “**sunpos\_AZI\_ELE.py**”
3. Open **Callisto application**
   1. Open Lightcurve
   2. Set “**manual**” to perform calibration
   3. Important to set **CaliProc=False** (in configsun.ini)
4. Run sunpos\_AZI\_ELE.py
5. Execute Non-Planarity test:
   1. Open **EstimateElGrad.py** and **nonplanarity.txt** in spyder
   2. Open PuTTY
      1. Click on DisEqC -> a **terminal** will appear
      2. Write **-h** in the terminal and click **enter**
   3. Steps non-planarity test:
      1. In terminal write **ele0** and enter
      2. Then **azi#** in terminal and enter // # are the azimuth we need to check -> somebody outside should read these number and then write it in the nonplanarity.txt
   4. Run EstimateElGrad.py
      1. A figure will open with a “error in azimuth plane”
      2. Note the parameter **planecorr=…**
      3. Insert the value of the parameter planecorr in **configsun.ini**
6. Find max Lightcurve:
   1. In configsun.ini **modify aziref/eleref** to have the max lightcurve
7. Start automatic Suntracking:
   1. CaliProc in configsun.ini back to **CaliProc=True**
   2. In Callisto application set “**automatic**”
   3. Check that start time in scheduler is correct
   4. Open **system scheduler** (application with a clock-icon), right click on “Application Suntracker) and set “**Enable**”