

*JMMC*

# Ol Imaging practice session

# Binary: 75Vir

- Open the file with **OIFitsExplorer**
- Filter out the redder end of the band to remove bad V2
- Look at some points by selecting it and switch to the `data` panel
- Transfer data to `OImaging` using `Interop` menu
- **In `OImaging`**
- Define the initial image, set the field of view, the pixel size and the width of the central Gaussian
- Select the algorithm and parameters
- Run (by default a run is 50 iterations)
- In `result` panel you can
  - `continue`: the run for `MAXITER` more iterations without changing any other parameters
  - `restart`: back to the input panel to update parameter with the same initial image
  - `update parameter`: back to the input panel setting the result as the new initial image
  - `save OIFits file`: save `Oifits` together with the reconstructed image and parameters
- Once you are happy with the result measure the separation with the ruler

# Giants : PiGru and RCar

- Open the file with **OlFitsExplorer** or look for the data on **Oldb**
- Look at the shape of the visibilities
- Transfer data to LITPro using Interop menu
- **In LITPro**
- Define a uniform or a limb darkened disk
- Plot Chi2 map for width and limb darkening parameter
- Fit the parameter
- Plot the image with the right size
- Transfer data to Olmaging
- **In Olmaging**
- Select the algorithm and parameters
- Run (by default a run is 50 iterations)
- Post you best reconstruction on slack and thumb up the best

# YSO: Imaging contest 2022

- Go to **Oldb** page <https://tinyurl.com/Oldb-Mystery>
- Transfer Mysterious\_Obj2 data to **OIFITSExplorer** using the menu
- Look at the shape of the visibilities
- Transfer data to OImaging using Interop menu
- **In OImaging**
- Define the initial image, set the field of view, the pixel size and the width of the central Gaussian
- Play with SPARCO