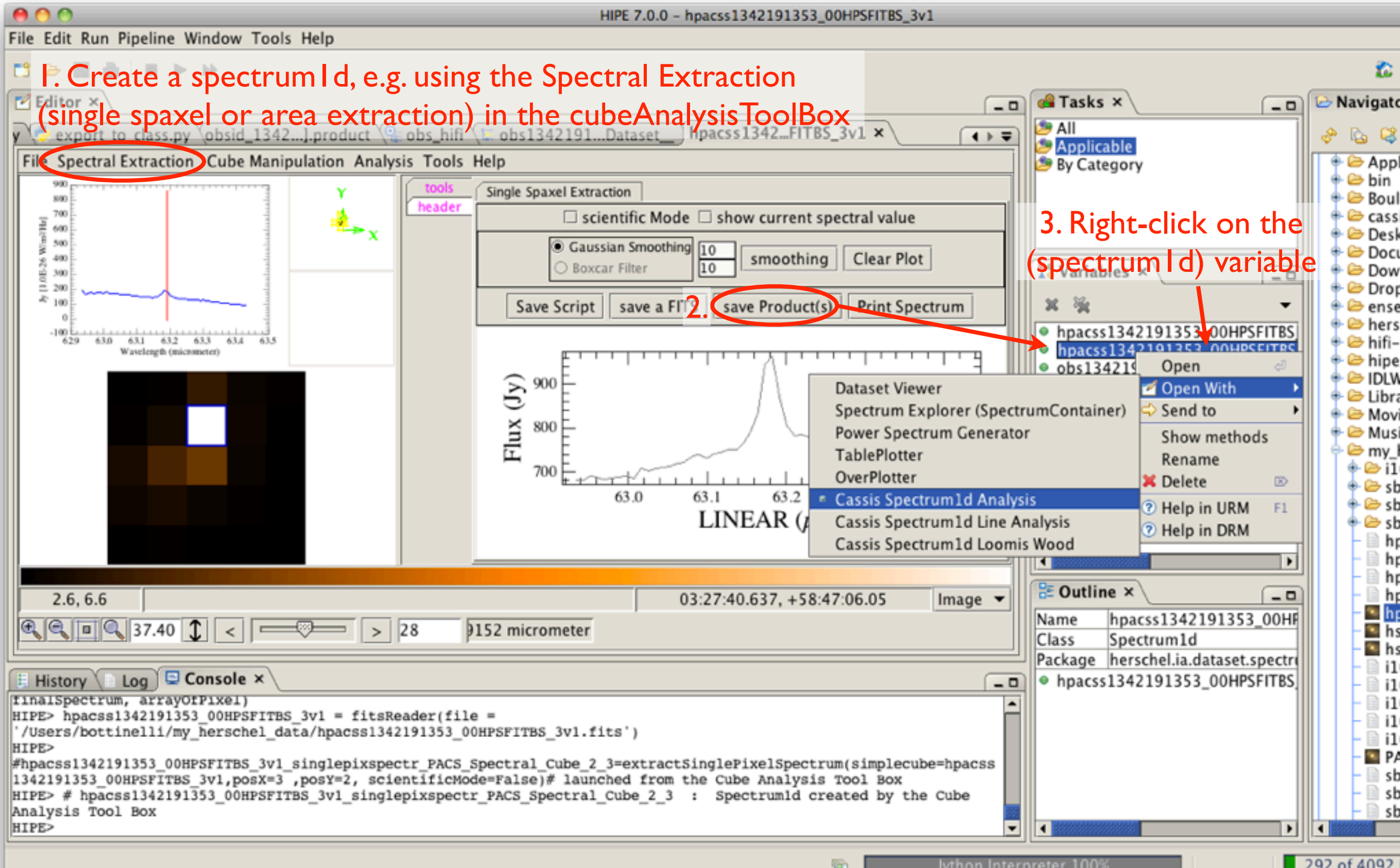
PACS spectrum analysis with CASSIS in HIPE

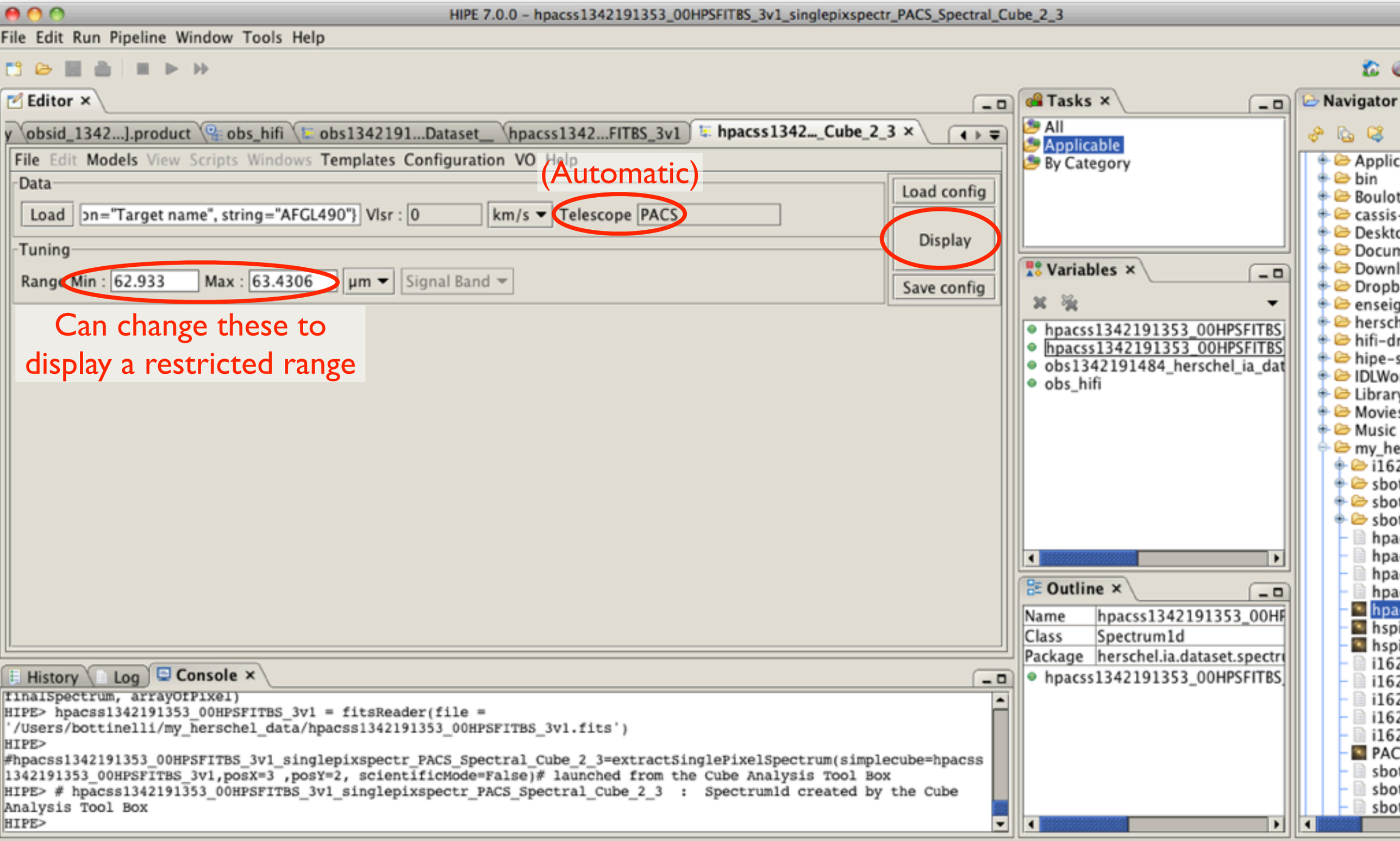
Sandrine Bottinelli (IRAP, Toulouse)

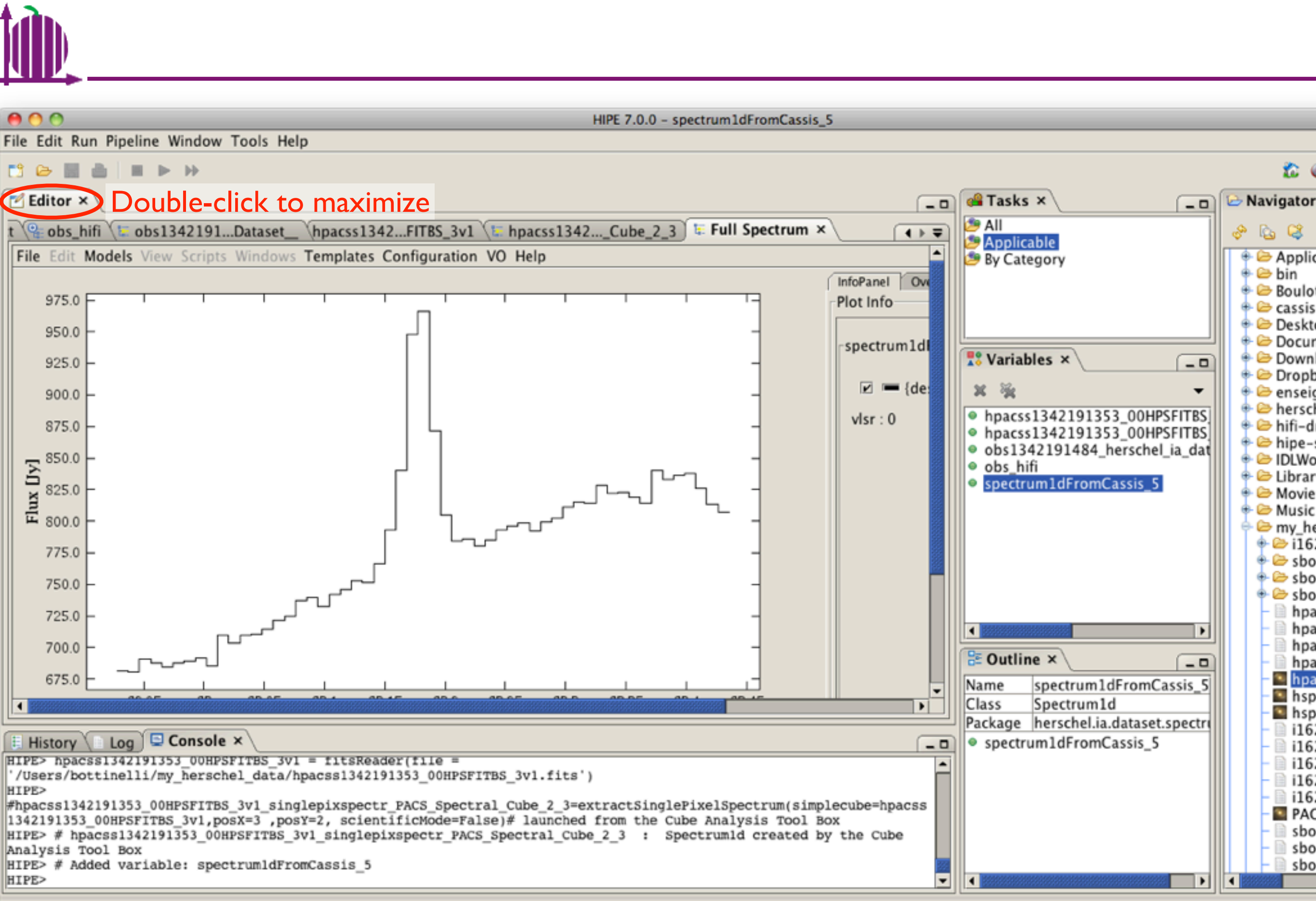
July 2011

Start with a spectrum1d

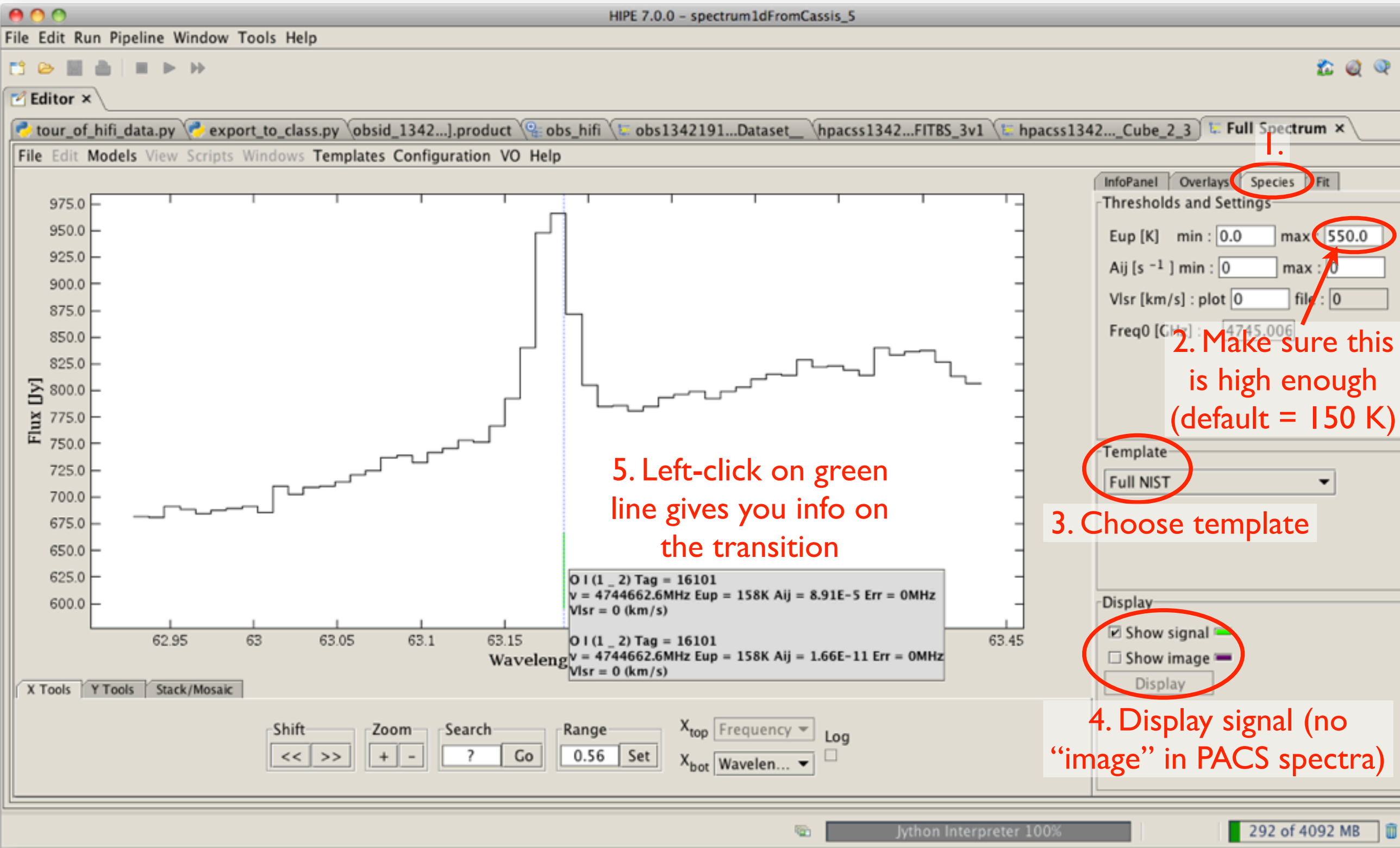


Open with Spectrum Analysis

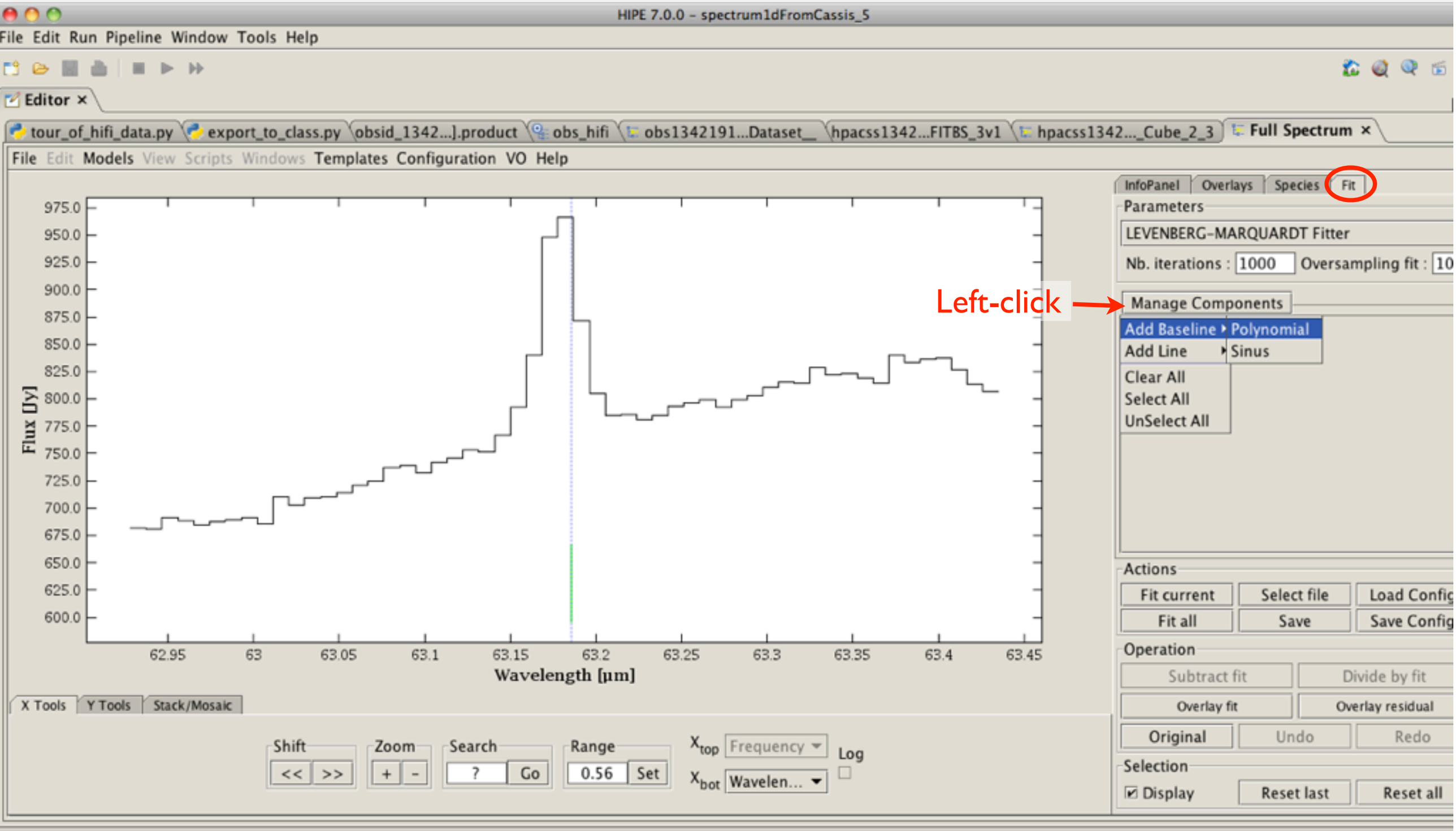



HIPE 7.0.0 - spectrum1dFromCassis_5
File Edit Run Pipeline Window Tools Help
Editor ×
Double-click to maximize
obs_hifi
obs1342191...Dataset_
hpacss1342...FITBS_3v1
hpacss1342..._Cube_2_3
Full Spectrum ×
File Edit Models View Scripts Windows Templates Configuration VO Help
975.0
950.0
925.0
900.0
875.0
850.0
825.0
800.0
775.0
750.0
725.0
700.0
675.0
Flux [Jy]
InfoPanel
Plot Info
spectrum1dF
vlsr : 0
Tasks ×
All
Applicable
By Category
Variables ×
hpacss1342191353_00HPSFITBS_
hpacss1342191353_00HPSFITBS_
obs1342191484_herschel_ia_dat
obs_hifi
spectrum1dFromCassis_5
Navigator
Outline ×
Name spectrum1dFromCassis_5
Class Spectrum1d
Package herschel.ia.dataset.spectr
spectrum1dFromCassis_5
History
Log
Console ×
HIPE> hpacss1342191353_00HPSFITBS_3v1 = fitsReader(file =
'/Users/bottinelli/my_herschel_data/hpacss1342191353_00HPSFITBS_3v1.fits')
HIPE>
#hpacss1342191353_00HPSFITBS_3v1_singlepixspectr_PACS_Spectral_Cube_2_3=extractSinglePixelSpectrum(simplecube=hpacss
1342191353_00HPSFITBS_3v1,posX=3 ,posY=2, scientificMode=False)# launched from the Cube Analysis Tool Box
HIPE> # hpacss1342191353_00HPSFITBS_3v1_singlepixspectr_PACS_Spectral_Cube_2_3 : Spectrum1d created by the Cube
Analysis Tool Box
HIPE> # Added variable: spectrum1dFromCassis_5
HIPE>
Jython Interpreter 100%
292 of 4092 M

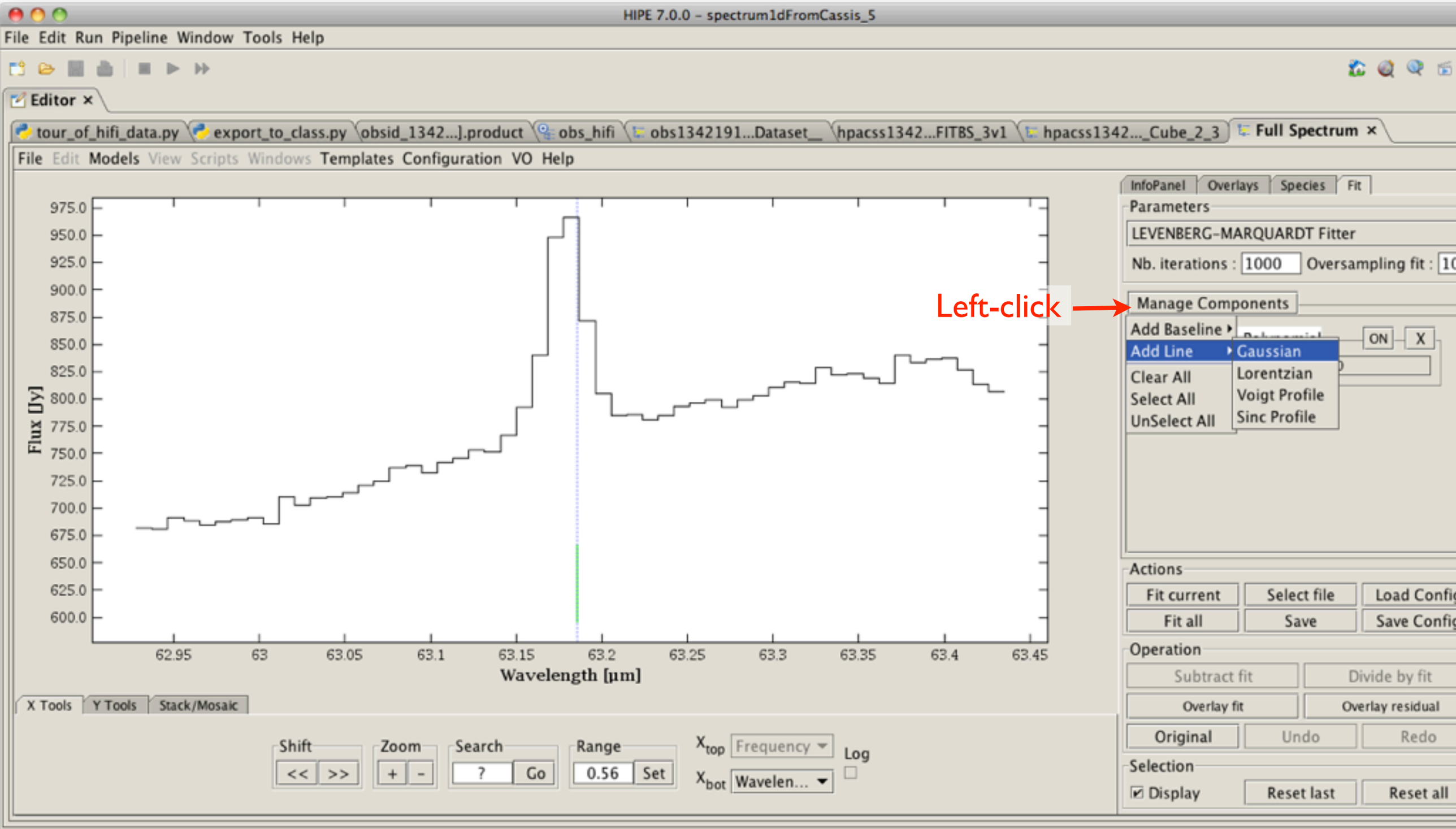
Display species in λ range



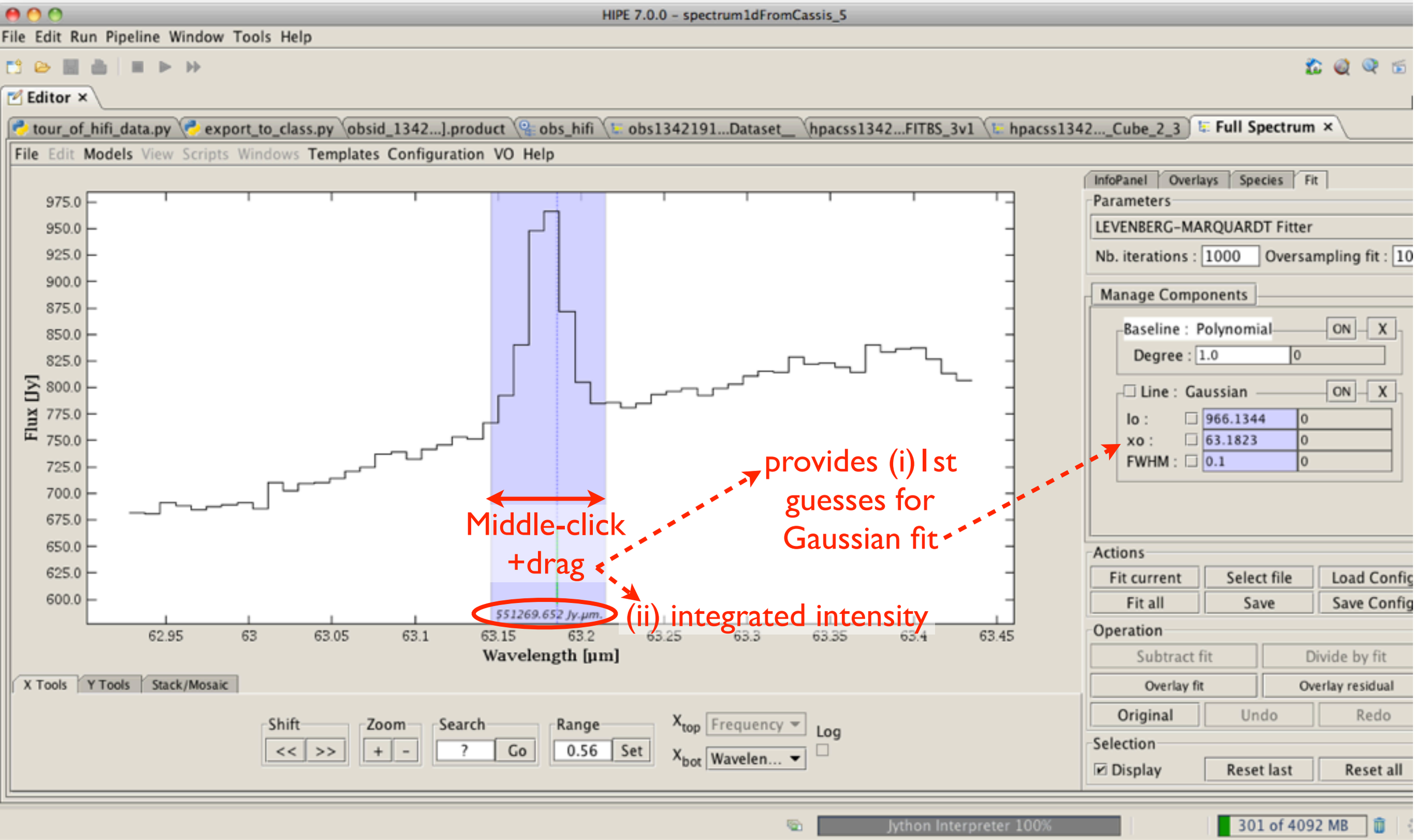
Fitting baseline+line



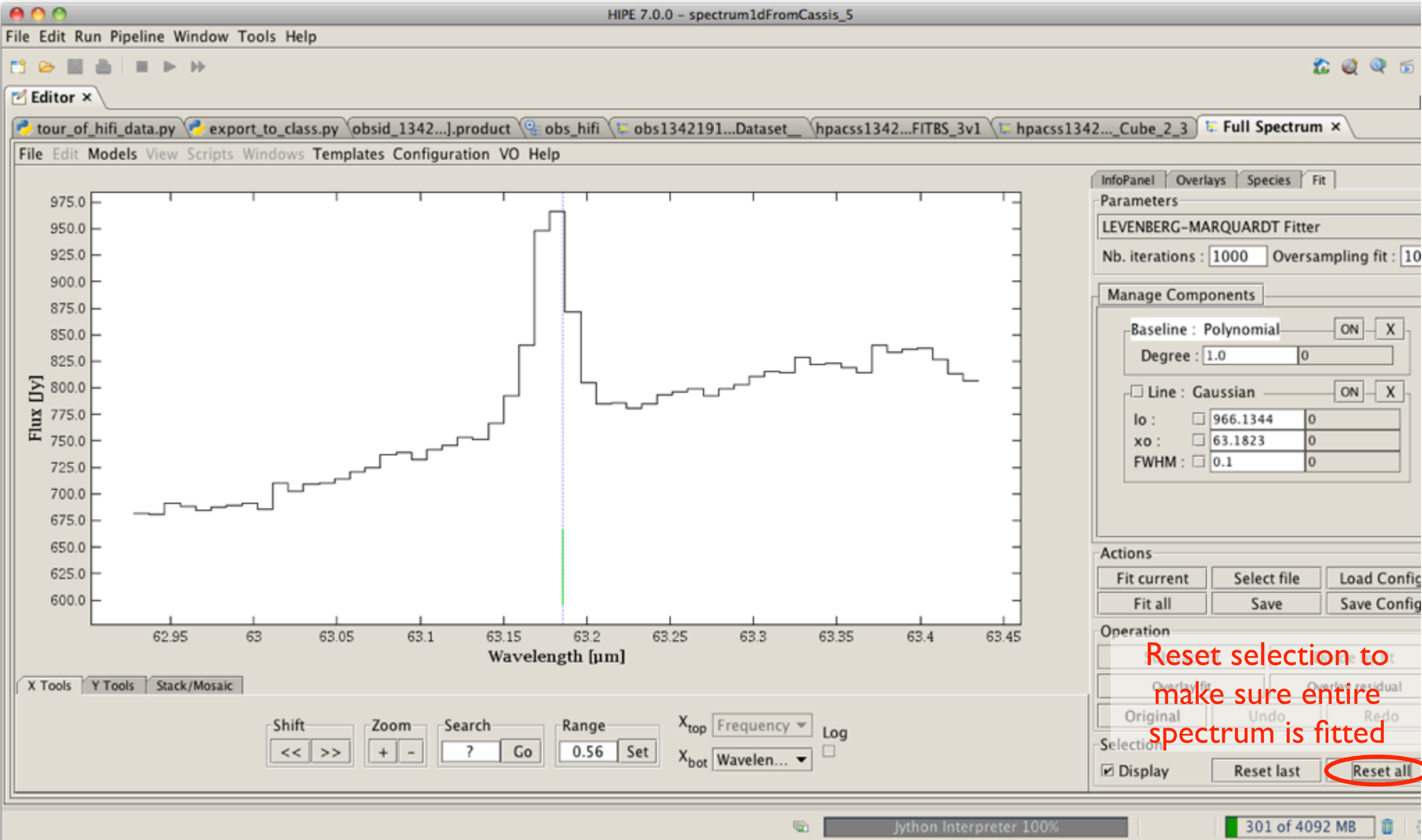
Fitting baseline+line



Fitting baseline+line



Fitting baseline+line



Fitting baseline+line