To use this GUI on a Cubex extracted datacube:

1. There must be a folder containing:

(a) A folder named "NB" that will contain narrow band and object masked images of all the objects within that cube extracted by CubEx.

The narrow band images will have a name type: "NB\_{obj\_id}.fits"

The object masked images will have a name type: "Obj\_Mask\_{obj\_id}.fits"

(Names are case sensitive)

(b) A folder named "spec" that will contain the optimally extracted spectra for all the objects within that cube extracted by Cubex.

The files will have a name type: "combined\_spec\_{obj\_id}.dat"

(c) Finally, it must have the final object catalog extracted by CubEx that contains all the source Id, centroid, ra ,dec etc of the

extracted sources. The extension of the file should be "\*.cat". Make sure there is no other file in that specific folder with the same extension.

To run in terminal: python gui.py {the complete name of the .cat file described above in (c)}

Your comments will be saved in a file named "My\_comments.txt". The columns are (run\_id, object\_id, comment). Multiple comments on the same object saved at different instances will be saved as different entries in separate lines.

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Keyboard shortcut:

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<Enter> => Plot

<Up> => Next

<Down> => Back

<Control-a> => Save your comment

<Esc> => Exit