

# Instructions to use GALAssify

CAVITY Sample Selection Team

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## Main goals

Identify if there are some bright **stars** in the main PPaK hexagon or in the six surrounding, small calibration hexagons to discard this galaxy  
Identify if the galaxy possesses a **disc** ("Spiral"), in which case the inclination could be taken into account  
Flag the SDSS  $d_{25}$  and SDSS inclination if they seem **wrong**

## List of galaxies

Prev: Previous galaxy in the list (caution: the galaxy will not be saved)  
Next: Next galaxy in the list (caution: the galaxy will not be saved)  
Save and next: Save and continue to the next galaxy (Important: click this button or press "Enter" to save this galaxy)

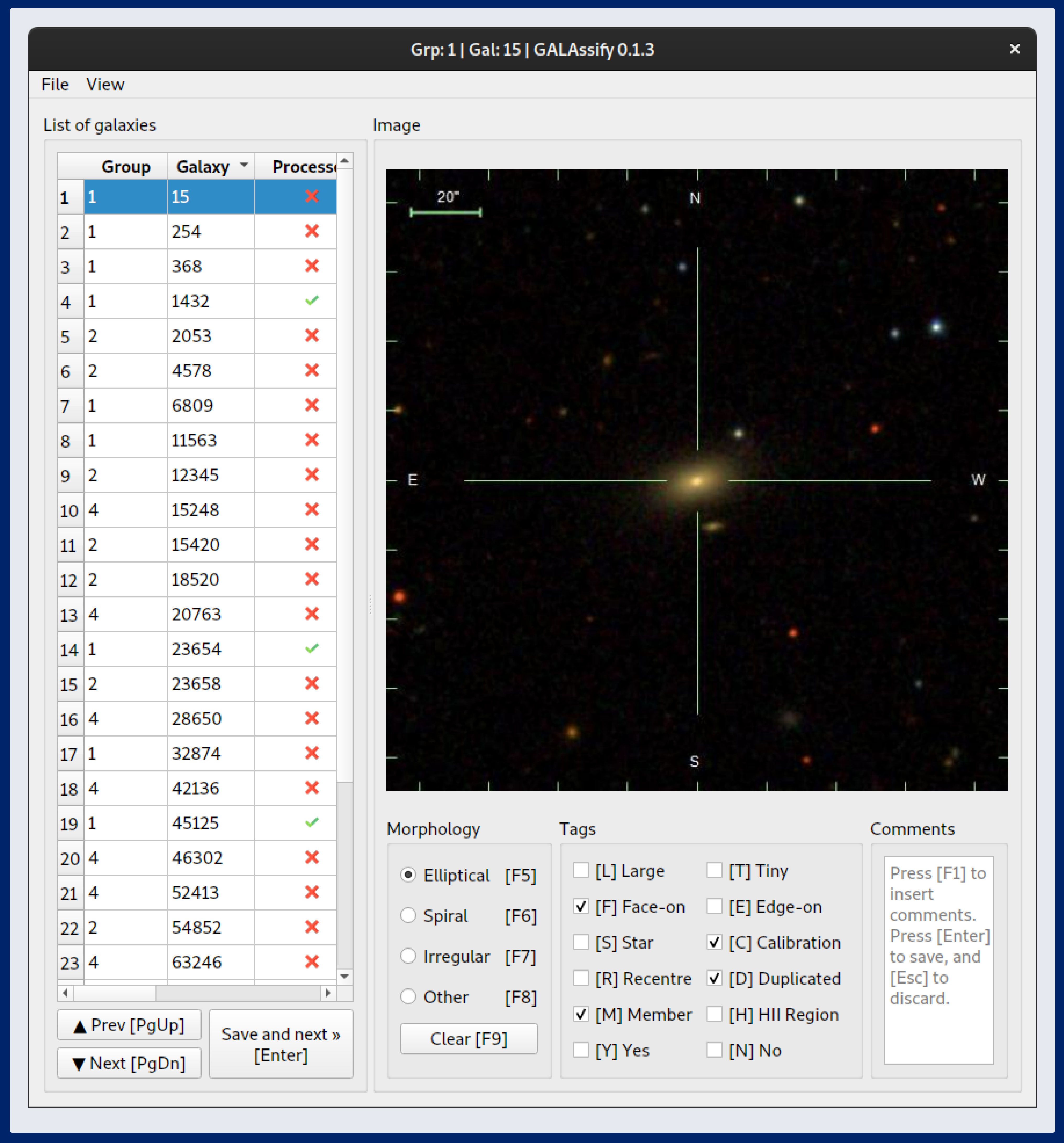
## Image

Void: Void number  
Gal: Galaxy number  
z: Redshift  
 $d_{25}$ : Apparent diameter from SDSS (bright circle) and LEDA (faint circle), respectively  
Incl: Inclination from SDSS and LEDA, respectively  
Frac: Effective radius fraction  
SB: Mean surface brightness

## Morphology

Inclinations are relevant and will be considered only for **disc** galaxies.  
Elliptical: Elliptical or lenticular galaxies  
Spiral: Disc galaxy  
Irregular: Irregular galaxy  
Other: Star or HII region for instance  
Clear: Deselect and select the morphology again

## GALAssify Graphical User Interface



## Tags

**Large:** The galaxy is too large and does not entirely fit within the main hexagon  
**Tiny:** The galaxy is too small  
**Face-on:** The galaxy is too face-on (inclination near 0 degrees)  
**Edge-on:** The galaxy is too edge-on (inclination near 90 degrees)  
**Star:** There is at least one relatively bright (brighter than the galaxy) star in the main hexagon  
**Calibration:** There is at least one bright star, possibly saturated in PPaK, in at least one of the six surrounding, small calibration hexagons  
**Recentre:** The galaxy is not well centred in the main hexagon or two or more galaxies would fit within the main hexagonal footprint if it is recentred  
**Duplicated:** The galaxy appears several time. Mark as "duplicated" the ones to remove  
**Member:** The galaxy is a member of a pair, triplet, group or system of galaxies  
**HII region:** The main hexagon is centred on an HII region  
**Yes:** You really want this galaxy in the final sample (Do not use)  
**No:** You really do not want this galaxy in the final sample (Do not use)

## Comments

Comment if the SDSS diameter (bright circle) or the SDSS inclination seem wrong and/or if the LEDA diameter (faint circle) or inclination seem better.

## Catalogue

You can **close** GALAssify at any time (Ctrl+W or "File" -> "Exit" or cross in the upper-right corner), your data will be saved  
You can **open** it again any number of times to continue (and see all your saved work with Ctrl+A or "View" -> "All saved data")