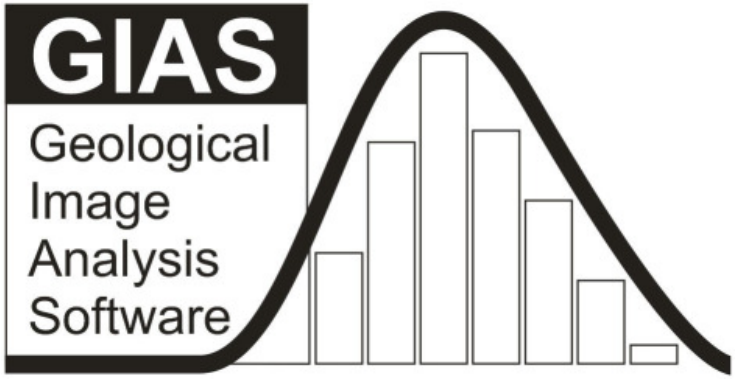


GIAS

Geological Image Analysis Software
How to use it

December 2009
www.geoanalysis.org

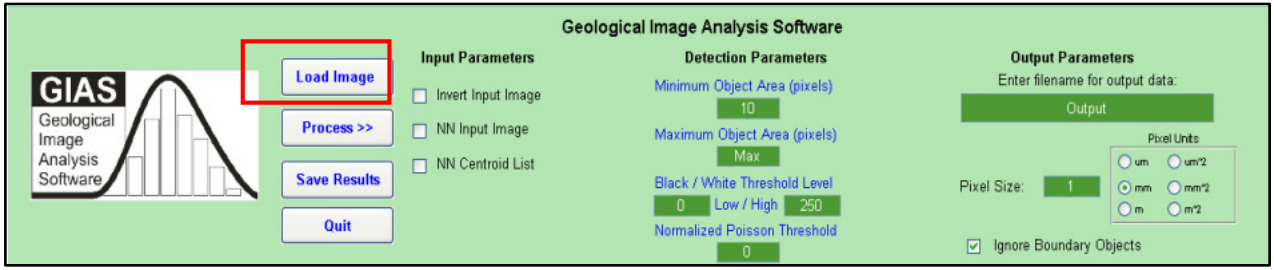
Running the application

- If you are using the stand alone code (i.e. not running in MATLAB)
  - Double click on ‘GIAS_v03.exe’
  - This opens a MS-DOS window initially and then the GIAS GUI window

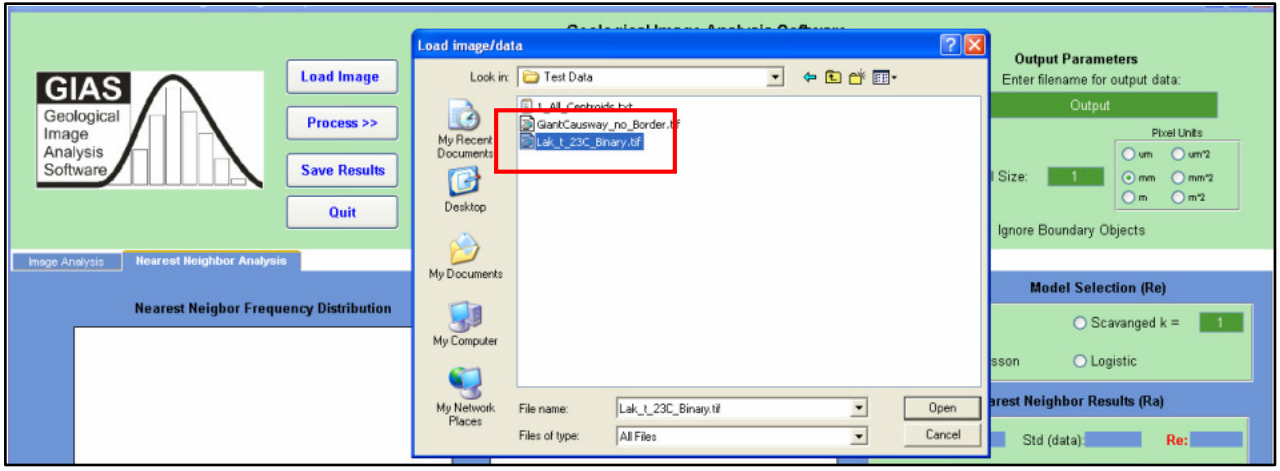
- In MATLAB
  - Add the GIAS directory to your path (along with the skdata directory)
  - On the command line type: GIAS_v1_1

Opening an image

- Click on the ‘Load Image’ button

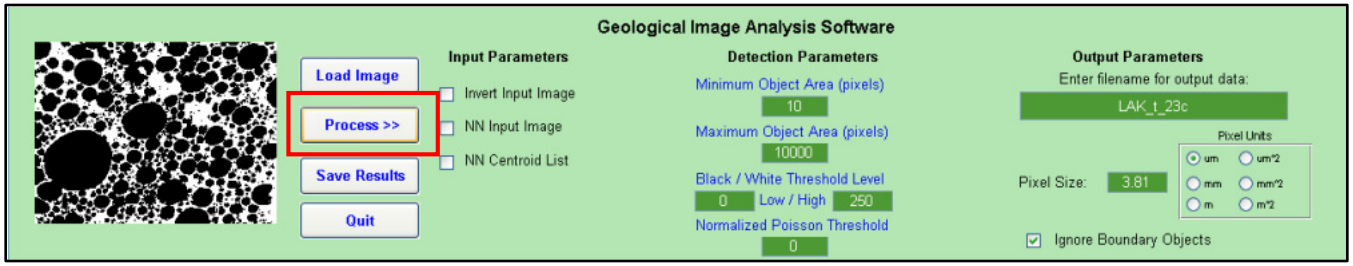


- Select the required image file (tiff, jpeg, png)



Processing the Image

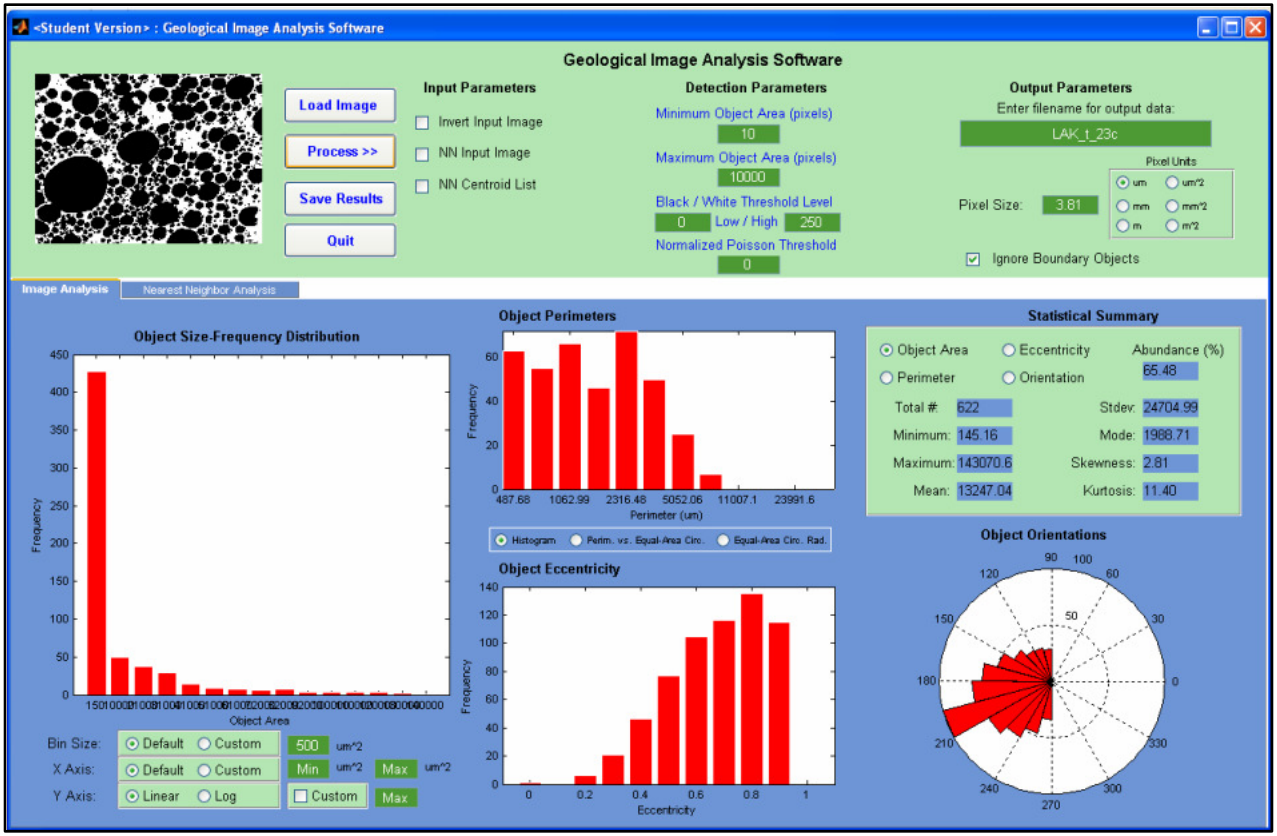
- Select the relevant detection parameters and output parameters (e.g. pixel size)
- See the Help files for information on the options
- Click on the 'Process' button



- It takes approximately 15 seconds to process test image LAK_t_23c

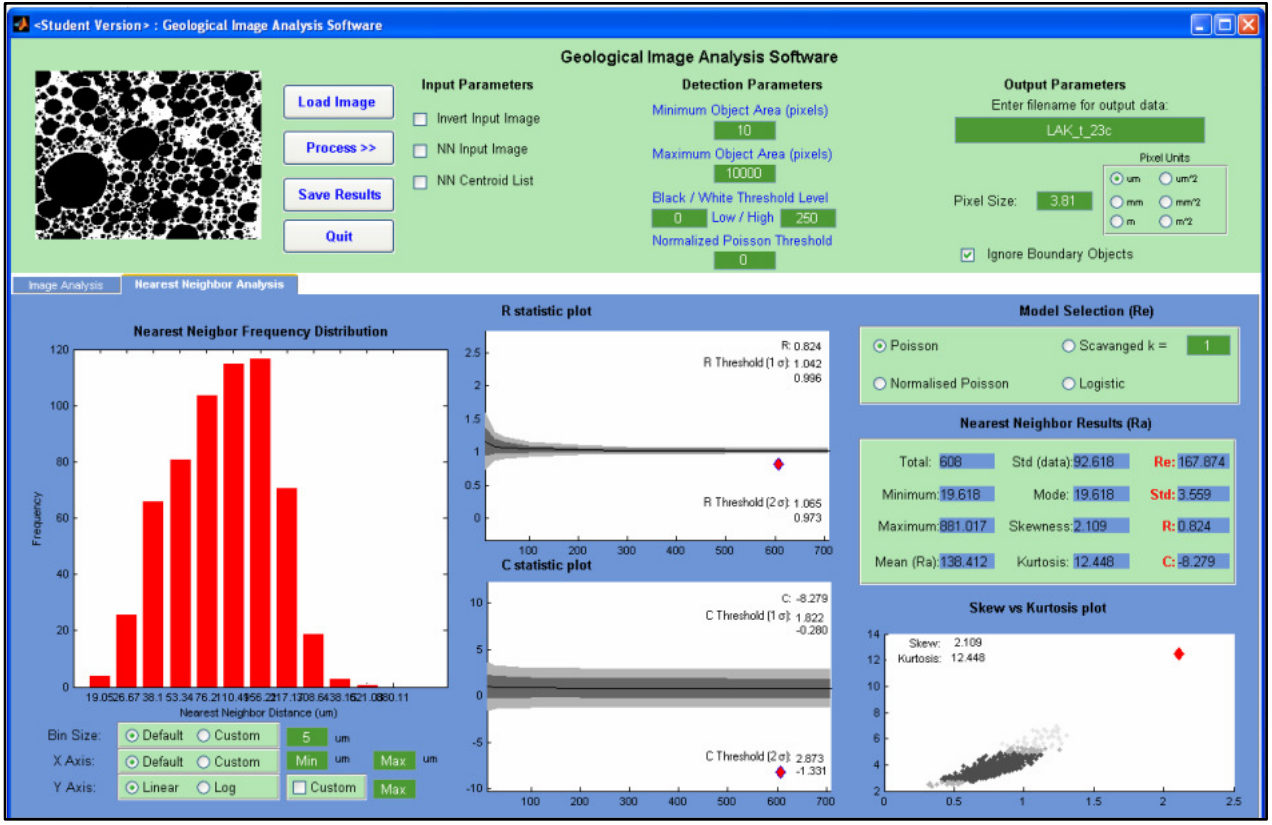
Results: Image Analysis Tab

- These are the results for the Image Analysis



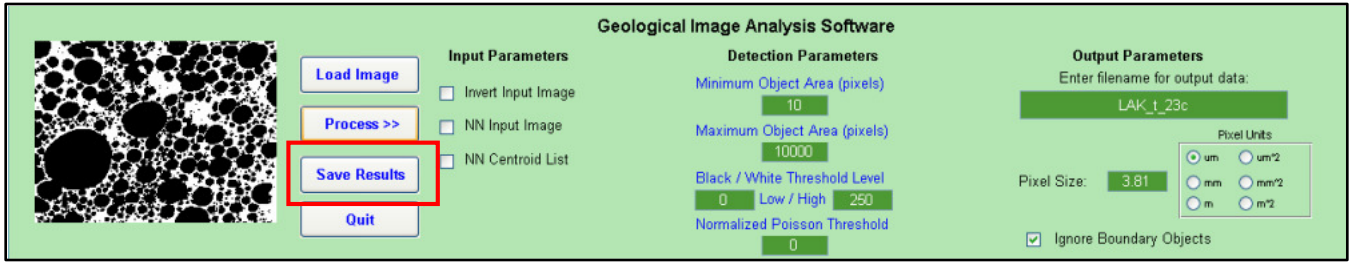
Results: Nearest Neighbor Tab

- These are the results for the Nearest Neighbor



Saving output

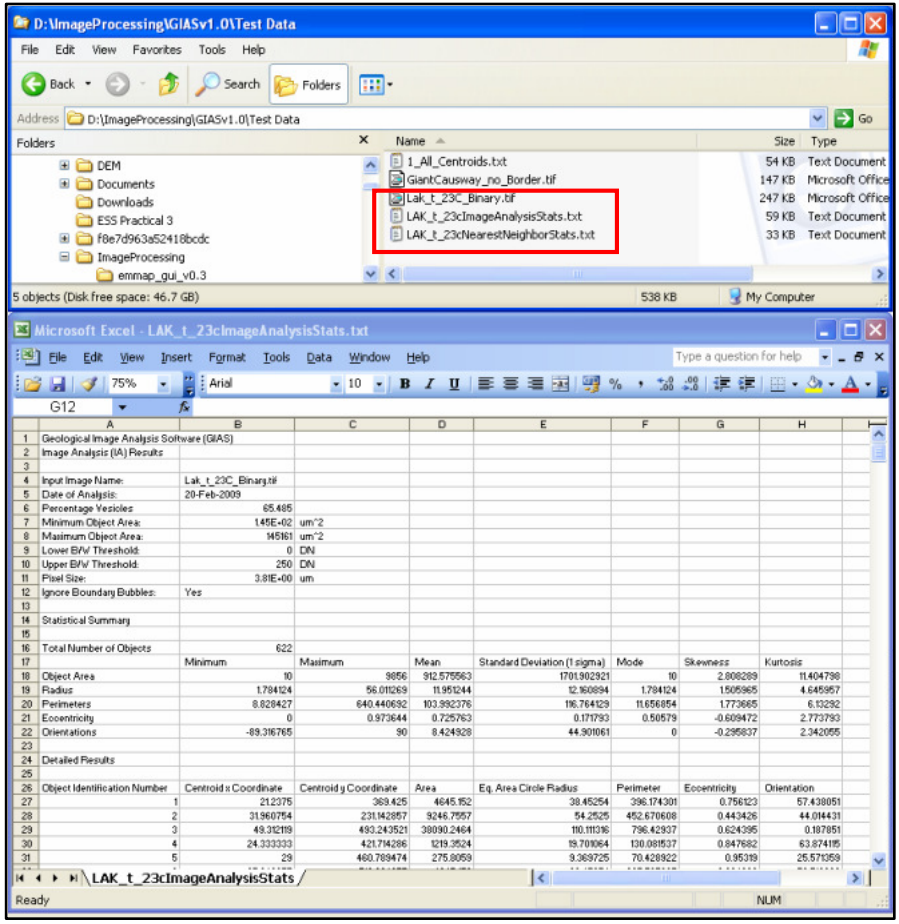
- You can save all the graph calculations using the ‘Save Results’ button



- This writes an Excel-readable tab-delimited file named from the output filename box: LAK_t_23c

Results in Excel

- You results are written to two separate files in the local working directory
- One is for *image analysis* statistics, the other for *nearest neighbor* statistics



Other options

- See the Help files for advice on how the other options work
- If the code stops working, the best thing to do is to close the programme and restart it
- If it is persistently crashing, check the image format is correct and that you have set the path in Matlab correctly.
- If all else fails, contact us via the www.geoanalysis.org website