

Procedure to convert *.txt files to *.ga3 files:

To import a *.txt file into GA3 the file must be in a particular format. Graphical analysis requires no header information and a comma between the wavelength and the flux. Our data is in *.txt format (see description below)

1. Open the *.txt file, in your favorite editor program (e.g. Word), delete the header lines and insert commas between the wavelength and flux. (Under edit, >replace: replace the double space between the two numbers on each line with , (that's space comma) After the first, do a global replace to get all 3000 lines)
2. Save the file with a name that will identify the file as a modified *.txt file
3. Open graphical analysis. Import the modified *.txt file. (Under file > import> text file.)
4. Turn off the dots on every data point. (Pull down options, > graph options (or double click on the graph), turn off point protectors. click "done")
5. Add labels to the x axis. (Double click on col 1 for data options Under column definition set the name to "wavelength" and the units to "Angstroms." Under options set 6 sig. figures)
6. Add labels to the y axis. (Double click on col 2 for data options. Set the name to "Flux Density" and the units to "erg/cm²/sec/)
7. Save the file as a *.ga3 file (e.g., HD 242908_fcda0033.ga3)

This file can now be opened with GA3 on Mac or PC.

The *.txt files consist of about 30 or so lines of useful header information (What, when, where , why, who) followed by about 3000 lines, each consisting of two pieces of data: wavelength and flux:

```
BITPIX =          8 / 8-bit ASCII characters
NAXIS  =          1 / Number of Image Dimensions
NAXIS1 =         3021 / Length of axis
ORIGIN = 'NOAO-IRAF: WTEXTIMAGE' /
IRAF-MAX=        2131. / Max image pixel (out of date)
IRAF-MIN=        804. / Min image pixel (out of date)
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```
3752.1502876622 1.268448E-14
3752.58417859734 1.262587E-14
3753.01806953248 1.195432E-14
3753.45196046762 1.266495E-14
```