

Python Workshop – Exercises Session 6

7. Repeat the plot from problem 5, but do not overplot all SEDs on top of each other, but plot them in separate subplots (two columns).
 - a. Left column objects should be plotted with dashed lines in red.
 - b. Right column objects should be plotted with asterixes in blue.
 - c. Add the name of each object and its redshift in the upper left corner.
 - d. Add a second y axes (on top) showing the rest-frame wavelength (wavelength of the band / (1+ redshift))
 - e. Add axes lables with Greek letters (λ for wavelength).
 - f. Save the plot as eps file.
8. Plot a simple histogram of redshifts of the objects.
9. Read in the image 0105m016_ac51-w4.fits and overplot contours.
 - a. Change the color scale to rainbow and add a colorbar to the plot.
 - b. Overplot a circle with radius of 5 pixels centered on the pixel with the maximum value. The circle should be green,