1. Loading \*.fits file

To load the file in Matlab use fitsread.

im = fitsread(‘filename.fits’);

imagesc(im); % imagesc will first scale the image to full colormap and then display it. The values in im might be very small, so if you just use imshow(im), you might not be able to see the picture.

1. Loading \*.dcm file

To load the file in Matlab use dicomread.

im = dicomread(‘filename.dcm’);

imagesc(im);

1. Loading \*.mat file

This kind of file is a matlab data file. So, you can load this file directly by either opening it in matlab or typing

im = load(‘filename.mat’); % Here, im is an structure with variable Data being the image

imagesc(im.Data);