Spectral Resampling of library

1. Spectral Resampling is done to match the number of bands in the ASD(Library) and the Image file.
2. First of all if you have an excel file containing ASD data,convert it into ascii file using notepad because Envi can take input file as ASCii file.
3. First column of the ascii file is wavelength,if you don’t have that convert the excel sheet accordingly.
4. Now open Envi and go to Spectral and open spectral library builder.
5. It will prompt SELECT INPUT WAVELENGTH FROM(CHOOSE ASCII FILE YOU CREATED EARLIER).
6. Set the wavelength units and press Ok.
7. Next window will open and CLICK ON IMPORT AND SELECT ASCII FILE.
8. ASCII FILE WILL BE OPENED AND Select all and Plot all.
9. A spectral plot will open and save file as Spectral Library file .
10. Again go to spectral and open spectral library builder and it will prompt SELECT INPUT WAVELENGTH TO (Select Input data file and it will save one more file,name it as resampled file)
11. Now it will prompt select output wavelength to (you shud open desired image file to which you want to resample your library)Select that image file.
12. Now you will have resampled library opened in envi.
13. Save it as a ascii file and convert it into excel to futther train your model.