
Subject: Re: Help requested - Spectral Resampling Problem in ENVI

Posted by [cjengo](#) on Thu, 08 Jun 2000 07:00:00 GMT

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If your custom classifier is written in IDL, you should use the `envi_select` procedure which will let you do spectral (and spatial, plus any masking) subsetting on the fly. Just keep track of the `pos` and `dims` keywords, and use `envi_file_query` to put your wavelengths into an array. If you'd rather set-up the files beforehand, do Utilities>File Utilities>Resize Images(Spatial/Spectral) to extract the 10 bands from the 48 in the image. You really don't need to resample the spectral library, as it has the same wavelengths of the image. You could just extract the 10 bands you want (spectral libraries are just 2D arrays, where spectral samples are columns and materials are rows). Or just use the Spectral Resampling you described above and use your newly subsetting data file as the wavelength reference.

Hope this helps...

BTW, if you use ENVI's endmember selection tool (`envi_collect_spectra`), it will take care of spectral library resampling for you based upon the wavelengths of your input data.

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